

# Psychology becomes Course IX

By Allan Green

Psychology will become an independent department on July 1. It will be assigned course number nine, formerly the General Science course designation. The present graduate program will be continued, but no undergraduate major will be offered.

In a letter to the faculty, President Julius Stratton said that psychology at MIT has experienced "vigorous growth" and that "the decision to establish a Department of Psychology recognizes the need for separate identity in this field . . ."

The new arrangement was authorized by a vote of the Executive Committee of the Corporation earlier this month. At the same time, Dr. Hans-Lukas Teuber, the present head of the Psychology Section, was appointed chairman of the new department.

## Increasing commitment

In a recent interview, Dr. Teuber emphasized the increasing commitment of psychology to un-

dergraduate and graduate education. The enrollment in the department's introductory course, which Dr. Teuber teaches, has jumped 277 in 1959-60 to 683 in 1963-64.

In the fall of 1962, psychology initiated a doctoral program and enrolled its first group of graduate students. There are now 15 students enrolled in this program, doing basic research and acting as teaching assistants.

Dr. Teuber also stressed the department's strong obligation to basic research. "We feel we owe it to the Institute and to community at large to work toward new information—hence our emphasis on those areas where we believe discoveries can be made."

## Three areas

Psychology at MIT stresses its connections with basic science and concentrate its efforts in three distinct but interrelated areas: the study of relationships between brain and behavior (physiological psychology); the study of perception and learning



Hans-Lukas Teuber

(general experimental psychology); the study of origins of individual behavior and of interaction among individuals in groups (developmental and social psychology).

The department has received private grants from the Rockefeller Foundation and the Hartford Foundation. It has also been aided by such public agencies as the National Institute of Health, the Air Force Office of Scientific Research, NASA, and the Atomic Energy Commission.

In 1962 extensive remodeling of the Cenco building on Ames Street was completed, and the building was made available to the Psychology Section. With the advice of School of Architecture Professor Marvin Goody, the renovation made available laboratories and animal quarters, a library, seminar rooms, and staff offices.

## Student Center library announced; Structure will house reserve books

By Bill Byrn

Negotiations with the contractor, Wexler Construction Co., Inc., for the fifth-floor addition to the Student Center. The Institute announced Monday that "if the cost of construction is acceptable to MIT and consistent with the estimates of the architect," plans for the library will proceed.

Final occupation of the Center by activities will in any case take place as planned during the fall of 1965.

The planned library will house about 12,000 reserve books for all courses and a browsing library of 5,000 volumes. The 500-person capacity would increase seating space of MIT libraries by 50 per cent.

The completed design of Professor Eduardo Catalano, architect for the Center, will be used.

## New subjects replace soph core humanities

By Lyall Morrill

Four new subjects will replace the present sophomore core humanities program beginning next fall.

The faculty, last Wednesday, approved a change of the general Institute requirements so that the present inter-disciplinary structure of the sophomore program will be discontinued. Instead, specialized subjects will be offered in the disciplines of literature, philosophy, contemporary history, and social science.

(Please turn to page 5)

## D. Jacoby appointed general manager of Student Enterprises

Mr. Dean Jacoby '54 has recently been appointed general manager of the Technology Student Enterprises, a corporation formed by the Institute to provide a working framework for student enterprises.

According to Jacoby, one time president of his MIT senior class and chairman of the Institute Committee (the office is now Undergraduate Association President), the objective of TSE is to provide students with opportunities to earn income.

Incorporated in August, 1963, TSE expects a gross income of one-quarter million dollars over the period between now and summer, according to Mike Armstrong, student manager.

Explaining the sources of this income, Armstrong notes that the TSE-sponsored group flights to Europe will gross about \$90,000.

(Please turn to page 5)

## In Stockholm

## Dr. Norbert Wiener died last Wednesday

By Esther Glotzhofer

"It is with deep regret that we have learned of the death of Dr. Norbert Wiener. One of the world's greatest mathematicians, he was also one of MIT's most distinguished professors."

"He was identified in the public mind, more than any other one scientist, perhaps, with the era of the development of cybernetics, the name he first applied to the field of feedback control theory, now used throughout the world."

"He was beloved by his colleagues everywhere for the warmth of his personality as well as respected for the power of his intellect."

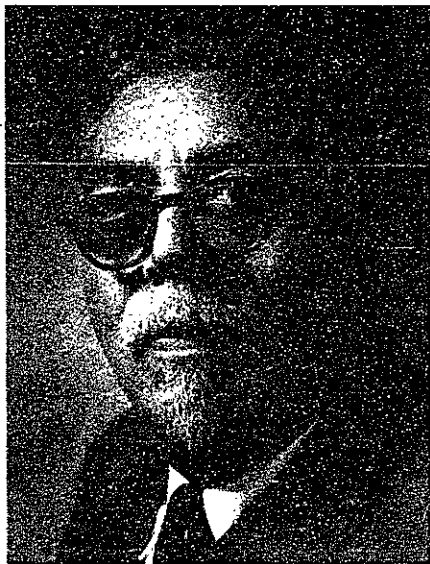
Dr. Julius A. Stratton released this statement on hearing of Dr. Norbert Wiener's death in Stockholm last Wednesday.

A religious funeral service was held in Stockholm yesterday. After cremation, the body is to be returned to the United States, according to Mrs. Wiener.

Wiener was to have lectured at the Royal Academy in Stockholm. He and his wife had arrived in Amsterdam, Holland, in January. Several days before his death, they had gone to Norway and then to Sweden. Further plans included a visit to Copenhagen, to the Spring School of Cybernetics at Naples, and to Mexico City. He was to return to MIT early in 1965.

## Early education

Wiener was born in Columbia, Missouri, in 1894. He entered



Norbert Wiener

Tufts College at the age of 11 and received a BA in mathematics three years later. He then studied at Cornell and at Harvard, receiving his master's degree in 1912 and his Ph.D. in 1913, at the age of 18. He was appointed to a traveling fellowship, which he spent at Cambridge, England, and at Göttingen. He went to Columbia University in 1915.

Professor Wiener's teaching career began in 1915 at Harvard. He later served at the University of Maine, and as a visiting lecturer at Brown, Cambridge, the National Tsing Hua University in Peiping, the College of France in Paris, and the Indian Statistical Institute at Calcutta.

His activities also included work at the Encyclopedia Americana, the Aberdeen Proving Grounds, and the Operational Research Laboratory at Columbia.

## Career at MIT

Wiener came to MIT as an instructor in mathematics in 1919. He became an assistant professor in 1924, associate professor in 1929, professor in 1932, and Institute Professor in 1959. He retired in July 1960.

## Parents to enjoy lectures, banquet—weekend fee \$6

The annual Awards Convocation and a banquet for parents and students will be principal events of the upcoming biannual Parents' Weekend.

The weekend will take place April 25 and 26. After the Saturday evening banquet, President Julius A. Stratton will give a brief talk.

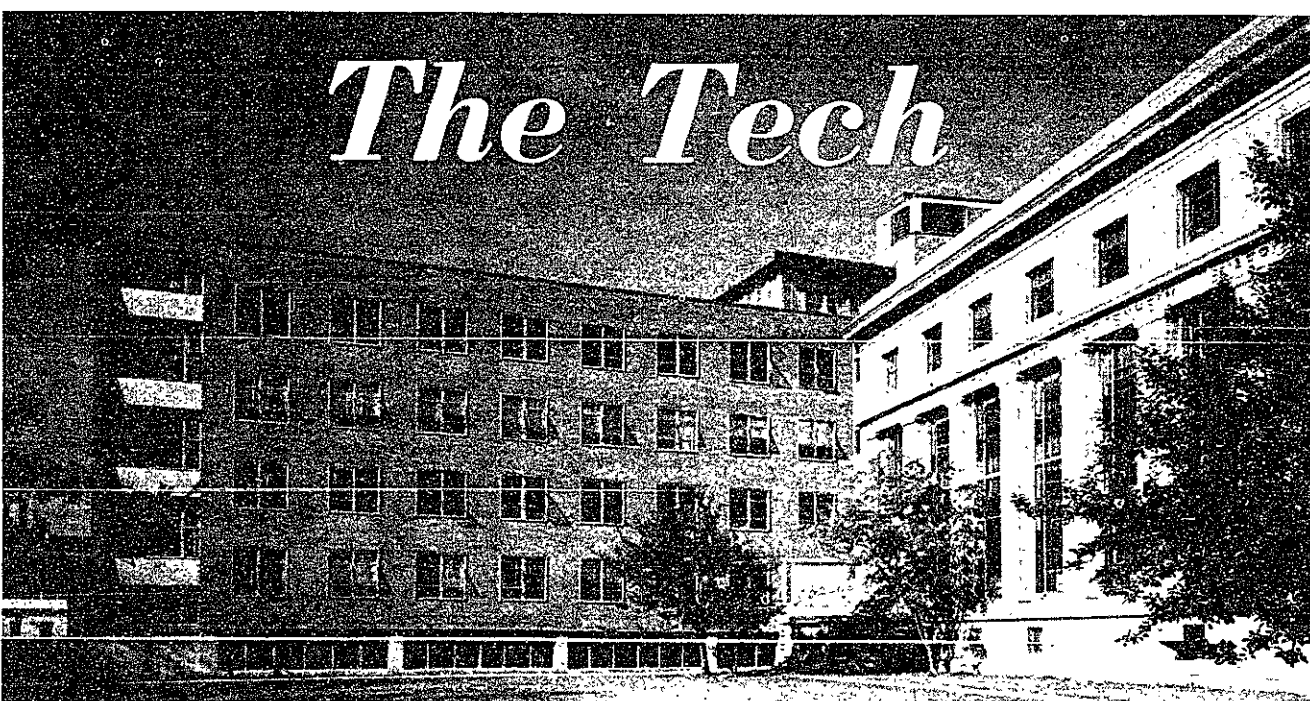
The presentation of awards will follow, including the Tau Beta Pi Outstanding Freshman Award; the Compton Awards; the athletic awards; the Scott Paper Award; and the new Activities Development Board Awards.

Parents' Weekend will also include lectures, coffee hours, and demonstrations by the schools and departments. Parents may attend Saturday morning classes.

Parents may meet faculty members at the Saturday afternoon lunch.

The parents may also attend crew races. The lights will be rowing against Dartmouth and Harvard for the Biglin Bowl. The heavies will vie with Yale.

The Parents' Weekend Committee is operating on a budget of \$11,000, of which \$3500 is to be provided by the Institute. The remaining \$7500 will be obtained from registration fees of six dollars per parent.



## The Tech

Vol. 84, No. 7

Cambridge, Massachusetts, Tuesday, March 24, 1964

Five Cents

## Samuels takes over

## Inscomm subcommittee chairmen are elected

Newly-elected UAP Bill Samuels took over duties at an Institute Committee meeting March 11. At the same meeting, Jim Wolf was elected Secretariat Chairman and Jim Taylor was elected Finance Board Chairman. Nominations were taken for subcommittee chairmen and member-at-large.

At the following meeting, March 19, Bexley Hall was granted representation on Inscomm, and Bob Waymost '65 became the first Bexley representative.

Subcommittee chairmen elected were: Dave Rubin '65, Freshman Co-ordinating Committee; Hossein Askari '67, International Students Committee; Doug Spreng '65, Public Relations Committee; and Howie Ellis '65, Student Committee on Educational Policy.

The new Judicial Committee chairman will be Ed Hoffer '65, and Judcomm secretary will be Joel Rogers '65. Elected as member-at-large of the Executive Committee was Matt Mleziva '65, the Burton House representative.

Perry Seal '65 will head a new temporary sub-committee to in-

vestigate summer opportunities for American and foreign students in conjunction with the Placement Office.

At an executive committee meeting last Sunday, Dick Schmalensee '65 was elected chairman of the Student Center

Committee. Junior and senior members of the Finance Board were not elected.

Interviews were held Saturday and more will be held tomorrow. Prospective members of the Secretariat will also be interviewed tomorrow.

## Center for Computer Technology will not become a reality at MIT

A proposed Center for Computer Technology in the Biomedical Sciences at MIT will not become a reality.

According to Provost Charles H. Townes, the center never developed at MIT because the Institute could not get the proper educational content into the organization to make it an essential part of academic life.

Provost Townes said that the proposed center was envisaged as "a regional resources center which would be a hybrid organization—with a large research program, and yet strong student and faculty participation." These objectives were not met.

The center, supported initially

by a \$2.8 million grant from the National Institutes of Health last July, was to have been a regional center for 12 academic and medical institutions in New England.

Initial plans for the center called for a seven-year program financed jointly by the National Institutes of Health and NASA. The total financing for the program was expected to be about \$20 million.

The present staff of the pilot study under the NIH grant will move to Washington University, in St. Louis, to continue the development of research work started here.

The move is expected to be completed by August.

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## Overhage aims to develop a computerized catalog system to make possible the library service needed in a decade

By Allan Green and Jason Fane  
Computer-oriented information retrieval systems and automation of library procedures will change the development of the MIT library system, according to Dr. Carl F. J. Overhage, director of the project to use new technology in libraries.

Dr. Overhage, former Lincoln Laboratory head, said that his object was to develop the library service that will be needed in

### Management School undergrad program will give open house

Sophomores interested in the Undergraduate Systems Program of the Sloan School of Management may attend an open house Thursday at 10 a.m. in the Schell Room, 52-461.

The program is directed by Jay W. Forester, professor of industrial management. It is intended to develop the knowledge, attitudes, and abilities of the creative manager.

It combines research projects in systems dynamics evening, dinner seminars with executives, weekly papers, business press readings, study of the functional management areas, plant visits, and classroom seminars.

The staff and student of this experimental program will present at Thursday's open house to discuss the plans for next year and the interests and objectives of interested sophomores.

The Undergraduate Systems Program was originated last fall.

about a decade. "We've got the manpower and the brainpower; it would be a waste not to use it."

He aims to develop a computer-operated catalog system. The library user would be able to read into the computer the citation he wanted. The machine would then cross-check all possible sources and make a list of all material on the topic.

A computer catalog is not yet possible because of the enormous memory required. However, larger memories are being developed.

Dr. Carl King is working to design a computer with a fixed memory of a trillion bits and a maximum access time of one second. He already has a single disc which stores 250 million bits.

The day may come when libraries will be places only to read and buy books. Dr. Overhage says that eventually it may be impossible to store the physical books.

Instead, the reference material will be stored on some form of microfilm. After a computer collects the desired material, a coin-operated microfilm reader-printer will enable the reader to view his sources and make a copy of any pages he wants to buy.

## NSF awards fellowships

The National Science Foundation announced the award of 190 fellowships for postdoctoral work in science last Friday. Each of the awards includes an annual stipend of \$5500, an allowance for dependents, and an allowance for travel to the fellowship institutions.

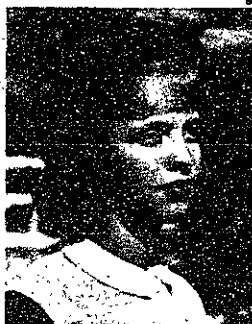
Five of the awards went to persons presently at MIT. Following is a list of these persons, including their fields of study and the institutions to which they are going: Karl G. Brandt, biochemistry, Cornell University; James R. Holtan, meteorology, University of Stockholm; Thomas O. Sherman, mathematics, Institute for Advanced Study; William I. Weisberger, physics, Cern, Switzerland; and Wells Whitney, engineering, Centre National de la Recherche Scientifique, France.

Eight of the fellowships were awarded for study at MIT. The persons who will be coming to MIT are given in the following list, together with their fields of study and the institutions at which they are presently working: Charles M. Chambers Jr., physics, University of Alabama; John B. Clark, biochemistry, University of California at Berkeley; George W. Flynn, physics, Harvard University.

Eva M. Kallin, mathematics, Mills, California; Richard A. Newmark, chemistry, University of California at Berkeley; Stanley G. Prussin, chemistry, University of Michigan; Marvin Stodolsky, biophysics, University of Chicago; and Frederick E. Ziegler, chemistry, Columbia University.

## Extras for Saturday

### 800 Spring Weekend tickets



Susan Q. Thompson, Wellesley College, is the date of John R. Mertens '64.



Roberta Diane Olszowy, Boston University, is the date of Gerald Roskes '65.



Linda Marsh, College of St. Elizabeth, is the date of Bruce C. Zotter '65.



Kathy Noyes, Dana Hall, is the date of Roy Wyttenbach.



Sherill Bodenweiser, Katharine Gibbs School, is the date of Bob Vogler '65.



Mary Ann Parks, Wellesley College, is the date of Robert Howard '67.



Pearl Druss, Girls Latin School, is the date of Mark Cohen '64.



Eileen Tate '67 is the date of Don Alusic '64.



Pat Sullivan, Boston University School of Nursing, is the date of James Monk '64.



Elizabeth Richter, Bennington College, is the date of Dick Gruen '65.



Judith Ann Vail, Ridley Secretariat School, is the date of Harry C. Pellow.

Tickets for Spring Weekend will be available for 800 couples eliminating the need for proportional distribution.

In addition, 100 tickets for Saturday night only will be available at \$8.00 each. These tickets are being sold at the Spring Weekend booth in Building 10, beginning this morning.

Voting for the Spring Weekend Queen will begin tomorrow in the lobby of Building 10. Entries will be accepted until Friday in the Litchfield Lounge.

Six finalists will be selected by preferential balloting. On Friday night of Spring Weekend the Queen will be selected from the finalists by the committee.

She and the court will appear at the Hotel Bradford with Maynard Ferguson and his Orchestra and the Platters, and will reign throughout the weekend.

Students of all classes are eligible to vote. The voting will continue until Friday, April 10.

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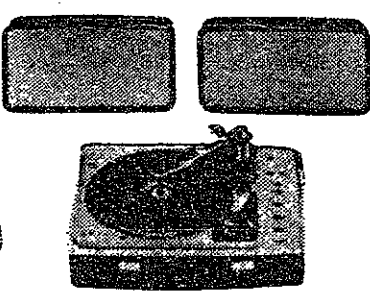
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## Outstanding freshman to get award at Parents Weekend convocation

An award recognizing the "outstanding freshman of the year" will be presented at the Awards Convocation during Parents' Weekend by the MIT chapter of Tau Beta Pi, the National Engineering Honorary Association.

Every freshman at the Institute during this academic year is eligible for this year's award.

Nominations for the award must be received by Tau Beta Pi at Technology Square 824A before April 7. The final selection will be made by the Advisory Board of the chapter.

Established in MIT's centennial year, the award is intended to encourage the development among undergraduates of the qualities for which the award is given: distinguished scholarship, unquestioned integrity, breadth of interests, adaptability, and a high degree of unselfish activity toward the community at large.

## TCA Teaching Program to be given this summer meeting scheduled April

Students interested in becoming instructors in the TCA Summer Teaching Program may attend a meeting at 5 p.m., April 9, in the Spofford Room (1-236).

This summer will mark the eighth consecutive year that TCA has offered college courses to outstanding high-school students from the Boston area. No college credit is given for the courses which are offered free of charge.

The classes will meet twice a week for eight to ten weeks starting the second or third week of June.

Last year, topics covered ranged from programming rockets and space flight.

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## Mail volume increases

By Edward Steinberg

The volume of mail handled by the MIT Mail Service has increased by over forty percent in the past year. The Mail Service, located in the Superintendents' Office Building 24, delivers about 32,000 pieces of mail a day. Interdepartmental letters account for almost one-fourth of this volume.

Mail is collected three times daily from the Institute's major offices, and from the 75 MIT mail boxes on the main campus. Two of the pick-ups are made by mail room employees when they deliver special delivery, certified, and registered letters during the day. The third collection is made at 5 pm by the evening janitors.

### Delivered by Janitors

The bulk of the incoming mail is delivered by the janitors in each building, who make one delivery a day. Five men are employed during the day in sorting the mail, and there are two sorters on the night shift.

In addition to collecting and delivering the mail, the system serves an average of 250 over-the-counter customers each day. Because the MIT post office is not an extension of the United States Post Office, but rather the Institute mailroom, the services it can provide are limited.

For example, the Mail Service receives its stamps from the Bureau each day, and does not keep a large supply on hand, necessarily limiting the amounts of

individual purchases. Also, it does not sell postal cards, money orders, or stamped envelopes.

### Stamp Machines

During the past year the Mail Service has instituted two new services. Stamp machines have been installed near the food-vending machines in the basements of Building 7, 10, 14, and 26. Another innovation has been the fraternity mail rack located in Dean Fassett's office, Room 7-104. Since the Institute Mail Service cannot deliver to the fraternities, this rack allows fraternity men to receive promptly any mail addressed to them at MIT.

A major problem faced by the Mail Service is delivering mail addressed to an individual simply in care of MIT. Because of the vague and sometimes erroneous addressing of much of the incoming mail, the mailroom employs a searcher, whose primary job is looking up addresses of people at MIT.

The Mail Service encourages students to inform their correspondents of their complete address, especially at the beginning of the year, when the service must operate without an up-to-date directory, and without the addresses of incoming students. To avoid unnecessary delays in receiving their mail, student activities should inform the Mail Service of the location of their offices.

## Prof. Blanco to lecture Thursday on "Cuba and Our Foreign Policy"

Professor Ernesto E. Blanco, of the Department of Mechanical Engineering, will speak Thursday at 8 p.m. in Kresge Auditorium on "The Truth about Cuba and Our Foreign Policy."

A native Cuban, Professor Blanco was educated at Rensselaer Polytechnic Institute. Returning to Cuba in 1936, he became director of mechanical engineering at Villanova University, in Havana.

Blanco was appointed director of research for the Cuban government in 1959. The next year he left the country and joined the MIT faculty.

In the summer of 1963, Professor Blanco served as United States Department coordinator for the Inter-American Student Program.

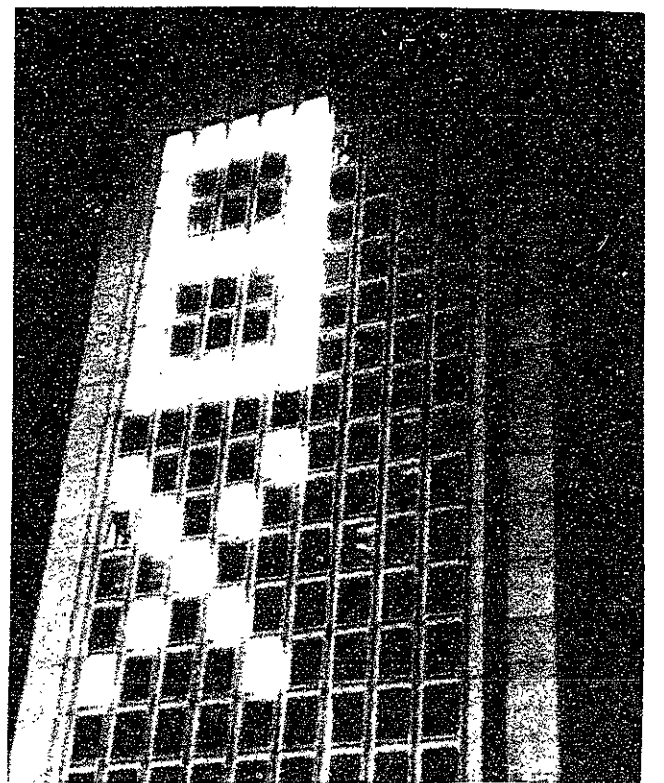
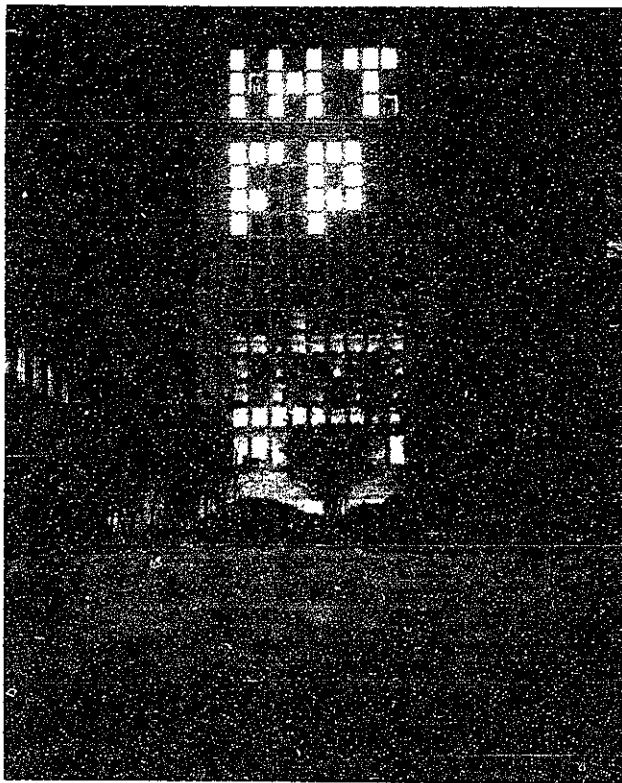
His lecture will be presented

under the auspices of the MIT Young Americans for Freedom. The admission charge is 25 cents.

YAF will present "Operation Abolition" in Kresge Auditorium, at 8 p.m. Wednesday, May 6. The film is a documentary about the House of Representatives Committee on Un-American Activities. Admission will be 25 cents.

Tickets for both presentations may be purchased at the door or in Building 10 tomorrow through Friday. The price of both tickets bought at once is 40 cents.

## Two messages emblazoned on Green Center facade: 'IHTEFP,' 'Theta Chi' spelled out last week in lights



Multi-storied messages adorn the facade of the Green Center for the Earth Sciences. The lefthand photo shows the center as it appeared early Friday morning, after a group of East Campus residents took advantage of its seventeen floor grid of windows to advertise their emotions. Spelling messages in the lights was originated by Theta Chi last Tuesday (See righthand photo).

"IHTEFP," proclaimed the Earth Science Center in four-story letters late last Thursday night. Lights in selected offices were turned on by a group of East Campus residents to form the letters.

Spelling multi-storied messages on the facade of the Green Center for the Earth Sciences began Tuesday when the building was emblazoned with the Greek letters Theta Chi, thirteen stories high.

Having originally conceived the plan a week earlier, members of

the fraternity mapped complete floor plans of the twenty-story structure.

The brothers found that many offices in the center have two windows. In order to create the desired pattern, they had to mask the superfluous windows with wrapping paper.

The first execution of the plan took place about 3 am Wednesday, after campus police unknowingly averted an earlier attempt, by parking near the center on routine patrol.

In order to gain a larger audi-

ence, Theta Chi relighted its sign about 9 pm Wednesday. The construction workers had left the wrapping paper masks intact, even removing the loose ends to make the job look neater.

The next night, a group of East Campus residents took advantage of the newly-discovered publicity medium to advertise their evaluation of the Institute.

Their message, "IHTEFP," required two lines and eight stories. It appeared about 4 am Friday.

## Adult Education Center to teach study techniques

An eight-week course in studying techniques is being offered by the Boston Center for Adult Education, beginning tonight at 6 p.m.

Taught by Mrs. Mildred G. Downes, the course aims to develop "insight into the intellectual and emotional factors blocking efficiency." Among the techniques to be covered are concen-

trating, remembering, classifying, organizing, notetaking, listening and skimming.

Beginning tonight, the course will meet at 6 p.m. for 75 minutes on eight successive Tuesday evenings.

Enrollment information may be obtained from the center at CO 7-4430. The fee for the course is \$17.00.

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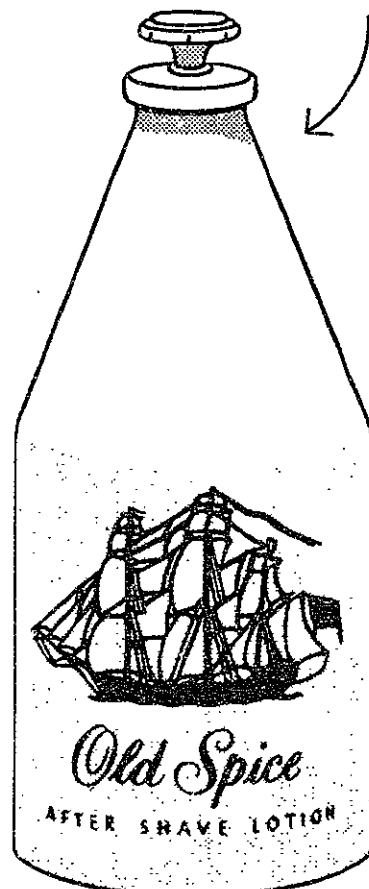
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The Kneller Tour is organized and led by Prof. George Kneller of the University of California (formerly of Yale University). Tour membership is balanced about equally between college men and women from leading schools throughout the country. Accommodations are first class; travel is mostly by plane and train. Total cost for men is \$1950. Financial aid is available. For further information contact: Tom W. Carroll, M.I.T. Graduate House 220-B. Phone, 354-7901.

# Norbert Wiener

The passing of Norbert Wiener deprives the MIT community and the entire scientific world of one of its most brilliant members. Dr. Wiener's stature as a man of learning and deep humanity was spread through many lands, and the sadness at his death is felt by thousands — including a large number who knew him only through his immense reputation.

Dr. Wiener will be remembered not only for his contributions to scientific knowledge, but also for his spirit of responsibility for the social consequences of this knowledge. He was long committed to perfecting man's use of science so that it would really be in the cause of mankind. Only last month he pointed out some of the dangers inherent in cybernetics, a field in which he was a pioneer.



Vol. LXXXIV No. 7 Mar. 24, 1964

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Second-class postage paid at Boston, Massachusetts. The Tech is published every Wednesday during the college year, except during college vacations, by The Tech, Room 50-211, 142 Memorial Drive, Cambridge, Massachusetts 02139. Telephones area code 617, 876-5855; 876-5856; 864-6900, Extension 2731. United States mail subscription rates: \$2.75 for one year, \$4.25 for two years.

The poet John Donne once wrote, "Any man's death diminishes me, because I am involved in Mankind." The death of Dr. Wiener diminishes those who are concerned in their lives with all mankind; as Norbert Wiener was in his fruitful life.

## Course IX

The formation of a separate Department of Psychology accords due recognition to an energetic and well-organized division of Course XIV.

As Course IX, the psychology section will now manage its own budget and enjoy a fully autonomous direction of its subjects and research programs. New policies can be formulated and instituted for both the popular undergraduate subjects and the graduate doctoral program. But more important than the logistics and mechanics of the change is the recognition given to the discipline of psychology.

In our issue of November 6, 1963, this page called for increased recognition at MIT of the social sciences, and particularly of psychology. At that time we recommended an independent psychology department.

We now hope that, in due course, the political science section of Course XIV will also become a separate department. This move would give MIT's excellent staff in political science the added stature which the Department of Psychology has gained through its new independence.

## Erratum

A headline on Page 1 of the March 11, 1964, issue erroneously stated that the new dormitories to be built behind the Sloan School of Management will be for married graduate students of Course XV. They will, instead, be open to all married graduate students.

As Prof. Howard W. Johnson, Dean of the Sloan School, points out, opening the dormitories to all courses is not only equitable, but also makes for good education and a healthy exchange of ideas among students.

## Campus Topics

### Second-term social weekends can be a financial success

By Ron Gilman

Editor's note: The Tech begins a new column, called 'Campus Topics,' with this issue. The purpose of this column is to keep you informed of the work of the myriad activities and student government groups on campus. It will alternate with 'Inside Incomm,' written by Bill Samuels, the Undergraduate Association President.

This first column is written by Ron Gilman '64, Chairman of the Spring Weekend Committee. Ron is a Course XIV major who hails from Zeta Beta Tau and Memphis, Tennessee.

The history of second-term weekend dates back only to my freshman year with the Centennial celebration. This was a well planned effort for the students to share in the festivities, and over 1000 couples turned out. It went over so well that the next year Incomm decided to repeat this second-term weekend and again spent thousands of dollars fixing up Rockwell Cage to hold over a thousand couples.

They had given very little thought to the real impetus behind Centennial Weekend, however, and this time, with a standard JP format, a more normal turnout of a little less than 600 couples showed up. Those who went greatly enjoyed themselves, but the weekend suffered a staggering \$5500 loss.

Realizing its mistake, Incomm decided to give another try last year, changing to the long Washington's Birthday weekend, and planning on a more realistic 600 couple basis. But this time, due to a combination of poor timing, so-so entertainment and poor management, Winter Weekend disintegrated to about 300 couples and a \$2500 loss.

One would think that this would be enough to abolish forever a second-term weekend, but a persistent few, including Dave Sullivan and Jerry Luebbers, were convinced that with proper management the Weekend could be a success. So, after much debate, Incomm decided to give it "one more chance," with the philosophy that the Weekend should pay its own way but would be subsidized if necessary.

It was felt that using student funds if necessary to ensure a successful MIT weekend was as justified as the thousands spent on the Musical Clubs, the Debate Society, etc. The weekend is still over three weeks off, but at this moment we have solid commitments for no less than 792 couples, which exceeds all estimates and runs us well into the black financially.

I offer this as proof that a social weekend can be a financial success, as well as a social success, and that the establishment of a second-term weekend as a permanent feature of the social calendar is highly desirable.

## Letters to The Tech

### 'Footnotes' attacked:

#### Part I

To the Editor:

I guess that I should congratulate Bill Judnick, News Editor of The Tech, for his 'Footnotes' in the March 11, 1964 issue. He did his best to cover up for the lack of news (except for getting a by-line in an article released by the Institute Publicity Department) in that issue by offering rumored material as a news scoop to the M.I.T. community.

One would expect that a true reporter would have looked into the situation thoroughly and reported the truth to his readers. Upon investigation, he would have found that Art Bushkin DID NOT decide to run for UAP until after the IFC elections, and he DID plan, print, and distribute his posters from 1:00 a.m. to 7:00 a.m. the following morning. Art had appreciated the continued support from his friends on the faculty and in the student body, and finally agreed to campaign after tremendous encouragement from his many friends on the IFC after the election meeting.

These are the FACTS behind Art's decision. I think that further investigation would show that the reason for Bill Samuels' wide margin of victory was a very well-organized campaign, espec-

ially in the dormitories, planned long before Art made his decision. That is, Bill did not receive his winning votes from a few anti-Art Bushkin voters, but rather from the numerous pro-Bill Samuels supporters.

As final proof let me ask Mr. Judnick how, since Art drew his petitions Friday morning, he could have known in advance that their due date would be extended until Saturday because of the school cancellation.

Robert Lurie '66

### 'Footnotes' attacked:

#### Part II

To the Editor:

Two weeks ago Mr. Judnick in his 'Footnotes' column predicted a deficit and accused us of blundering onto the same weekend as A Ball. His facts were so erroneous and his prediction so foolish that it was not worth the effort to reply. Last week, however, he attacked my committee, this time accusing us of planning to lose money and of spending his precious funds for the Weekend. This time his false accusations became outright lies and I feel the record now needs to be set straight.

1) The Weekend date was picked by the Institute Committee before (Please turn to Page 5)

## Footnotes

By Bill Judnick

Last week's "leak of the week," Footnote 20, is this week's headline story (Course IX). That's two out of two so far.

### Wiener's passing

Norbert Wiener is dead; an irreplaceable part of the Institute died with him.

It is extraordinary that a man be remembered for both his genius and his personality, yet this is the case. I'd like to illustrate this point with an incident of my own observation:

The scene was Pritchett Lounge on a busy Saturday afternoon last semester. In walked Wiener and an Italian physicist, to take places at the end of a lengthy line (to the amazement of not only myself, but also the physicist).

There was a Chinese couple ahead of them. Wiener asked the man (evidently a grad student) if they were "really" Chinese. Upon the affirmative, Wiener immediately shocked them by continuing the conversation in fluent Chinese! The expression on their faces was priceless.

(The Italian with Wiener was imported to collaborate on the details of Wiener's new quantum physics, I was told later. This was undoubtedly his last

project; and many are presently hopeful that this physicist has been told enough to continue this work of inestimable importance.)

### The Crystal Ball

26. At least one nationally prominent political figure, of conservative persuasion, will attend this year's Assembly Ball.

27. Jerry Luebbers has announced he will follow Woody Bowman's innovation and issue a report on his year as UAP. (Our next issue will carry the preview, well worth reading.) Bill Samuels will be doing the same next year—as will his successors, undoubtedly, who will come to regard this as a formal part of their job, well-established in tradition.

28. The COOP, when moved to the Student Center, will increase weekly hours available to shoppers. (As a friend of mine remarked: "They'll have to, to pay for some of that!")

29. Construction on a new boat house will commence this summer.

30. The Mobil gas station offering a "patronage refund" to COOP members won't be on its present site three years from now.

31. The budget of the new Social Action Committee will

not be allocated more than \$7000 (they began asking for nine) by the Institute through Finboard.

### Campus talk

An academic decline could be noticed in McCormick averages last term, compared to last year's Bexley-FWD ratings.

I hear rumbles over the quality of coeds admitted last year. Yet financial worries associated with their high yearly dorm rent (about \$1100 may well account for a good part of this. One can't be sure.

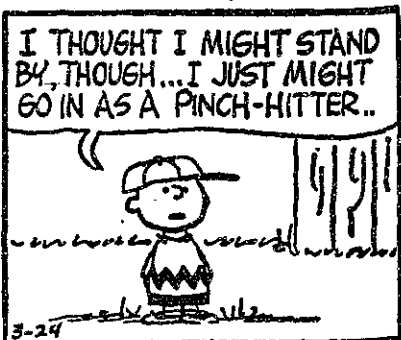
Talk about NDEA loans (predicted in Footnote 8) will be spiced up a bit. One US Congressman, alleging interest rates up to 60% on commercial loans to college students, has recently sought a guarantee of a 9% maximum for NDEA loans so the situation will not be duplicated.

### Campus quibble

I recommend as "must" reading the diatribe of Mr. Gilman in the Letters to the Editor this week. Methinks he doth protest too much; if you have time to wade through it, keep three things in mind:

1) Anyone who reads "did not" for "could have" in a simple declarative sentence needs a rudimentary course in logic; 2) hindsight, with new facts, must be recognized as such; and 3) time, not manufactured issues of personality, will be the ultimate test of two differing predictions.

Personally, I hope Mr. Gilman's prophecy turns out to be the accurate one.



Peanuts appears daily and Sunday in the Boston Herald.



# TSE expects income of \$250,000 before summer

(Continued from Page 1)

TSE sells automobiles to some of those who participate in the group flights. Armstrong anticipates that about 30 cars will be bought, adding roughly \$60,000 to gross income.

Finally, the organization offers a travel arrangement service, from which Armstrong expects TSE to gross between \$60,000 and \$100,000.

In Jacoby's words, "we hope to attract people on the basis that we feel we can do something for them." When a student enterpriser chooses to join TSE, it does his investing, shares his profits, absorbs his losses.

Members are provided with office space in the Armory and granted the use of the Institute mail system and bulletin boards. They need no additional Institute approval to operate their campus

businesses.

Mr. Jacoby received his BS in Industrial Management from MIT in 1954. He has served with the Air Force, with C.J. Jacoby and Company, and with Payne-Ross Ltd., Management Consultants.

As an alumnus, Mr. Jacoby was elected class-president for 1954-1959, and has been class agent since 1959. From 1961 to 1963 he served on the Corporation Visiting Committee for Student Affairs.

In addition to his position as general manager of TSE, Mr. Jacoby will be assistant to the director of the Student Aid Center. His two jobs are part-time and unrelated.

## New subjects replace soph core humanities

(Continued from Page 1)

Each sophomore will be required to take one subject in each of two groups: First, 21.03T or 21.04T; second, 21.05T, 21.06T, or 14.003.

**Subject descriptions**

21.03T will be an analysis of the meaning and literary method of stories, poems, and plays, both old and new.

21.04T will be an introduction to philosophy through study of the classics in the fields of logic and the theory of knowledge; moral philosophy; and metaphysics and the philosophy of religion.

21.05T will be an introduction to history through analysis of three phenomena of significance in the shaping of today's world — revolution, war, and "totalism."

21.06 will investigate forms of thought and expression most characteristic of twentieth-century consciousness with particular reference to the psychoanalytic and existentialist movements and to the social forces that have helped make these movements possible.

14.003 will be a study of the modern world from the viewpoint of social science. This course, which has been taught for four years under the direction of Prof. Robert E. MacMaster, will come under the direction of Prof. I. de Sola Pool beginning in the fall.

**Freshmen informed**

Humanities in French will continue as an option running through all four semesters of the first two years. It has been adapted to these changes as far as possible and will study contemporary French literature and history.

The Humanities Department will provide each freshman with a written description of the new subjects so that students will have a chance to consider their decisions during the spring.

In May, the department will conduct a pre-registration survey of freshmen's choices.

## Leavitt succeeds Nolan; MITSG gets new co-ordinator

Michael R. Leavitt '66 officially succeeded David F. Nolan '65 as co-ordinator of the MIT Students for Goldwater at the March meeting last Sunday.

Nolan resigned "in order to devote more time to his activities as executive vice-chairman of the Massachusetts Youth for Goldwater."

The MITSG is the largest student political activity on campus.

# Letters to The Tech

(Continued from Page 4)

I or my committee were elected and with full knowledge of A Ball. Bob Thurber, the head of Walker Staff, was at that meeting to voice his ambivalence to having Spring Weekend along with A Ball. He felt that we would in no way hurt them and Insecomm felt that the overlap of people in both would be small, whereas the Monday holiday and the otherwise crowded social calendar made this weekend a natural.

2) At no point have we ever planned to lose money. Our budget, approved by Finance Board, clearly shows that our planned income exceeds our planned expenses. Not one penny of subsidy has been granted us. We are firmly convinced that the Weekend must pay its own way if such affairs are to continue in the future, and every effort has been made to carry this through.

3) If Mr. Judnick is so con-

vinced that we are going to lose money, perhaps he can explain why on the Thursday before ticket sales we obtained firm pledges for 792 tickets, way beyond the originally planned capacity. Perhaps a more accurate prediction could have been made if the news editor had bothered to print last week the fact that a meeting with the school social chairman revealed an estimated demand of over 750 tickets. If your newspaper spent more time seeking facts rather than printing half-baked opinions you would be doing more of a service to the student body.

Ron Gilman '64  
Chairman,  
Spring Weekend Committee

Editor's notes Mr. Judnick replies briefly in his column this week. Mr. Gilman's own column also gives added details in the controversy and relates the history of the second-term social weekend since its inception.

## Kibitzer

By Alan Rinsky

**NORTH (Declarer)**

♠ K J 4 3  
♥ 4 2  
♦ K Q 10 8 3 2  
♣ K

**WEST**

♠ 8 7  
♥ Q J 8 6 3  
♦ J  
♣ 9 8 5 4 3

**EAST**

♠ Q 10 5 2  
♥ A K 7  
♦ 9 5  
♣ Q 10 7 2

**SOUTH (Dummy)**

♠ A 9 6  
♥ 10 9 5  
♦ A 7 6 4  
♣ A J 6

Rubber bridge. Both sides vulnerable.

North dealt.

North	East	South	West
1♦	Pass	3♦	Pass
5♦	Pass	Pass	Pass

East led the King of Hearts. East foiled a squeeze play executed by North and set the contract. The keys to his success: He did not enter the bidding at his first turn and thereby did not give away the location of key high cards. Also, he did not hesitate in the play of his cards, even when making a vital discard.

East won the first two tricks with his King and Ace of Hearts and then led a third heart which North ruffed.

Declarer took out four rounds of diamonds, ending up in his hand, and left this situation:

**NORTH**

♠ K J 4 3  
♥ 8  
♦ K  
♣ K

**WEST**

♠ 8 7  
♥ Q  
♦ 9 8 5

**EAST**

♠ Q 10 5  
♥ Q 10 7

**SOUTH**

♠ A 9 6  
♥ A J 6

Now North led his last diamond and, without the least hesitation East played the Five of Spades, the Spade Six was discarded from

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the dummy, and West threw his Queen of Hearts.

Note that West did not help declarer by discarding his low spades. If he had discarded his two low spades during the play, North would have counted and known enough to take his Ace and King of Spades to drop the Queen.

Declarer now played his King of Clubs and then led a low spade, winning with the Ace in dummy. He played the Ace of Clubs and then, convinced by the casual playing of the opponents that no one had been squeezed, finessed the Jack of Spades. East won with his lone Queen to set the contract.

As dummy, I watched East's cards throughout the play, and remained silent and transfixed throughout the spirited post mortem.

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## WELL-KNOWN FAMOUS PEOPLE: No. 1

This is the first in a series of 48 million columns examining the careers of men who have significantly altered the world we live in. We begin today with Max Planck.

Max Planck (or The Pearl of the Pacific, as he is often called) gave to modern physics the law known as Planck's Constant. Many people when they first hear of this law, throw up their hands and exclaim, "Golly whiskers, this is too deep for little old me!"

(Incidentally, speaking of whiskers, I cannot help but mention Personna Stainless Steel Razor Blades. Personna is the blade for people who can't shave after every meal. It shaves you closely, cleanly, and more frequently than any other stainless steel blade on the market. The makers of Personna Blades don't give you more luxury shaves than any other stainless steel blade, they will buy you whatever blade you think is better. Could anything be more fair? I, for one, think not.)



But I digress. We were speaking of Planck's Constant, which is not, as many think, difficult to understand. It simply states that matter sometimes behaves like waves, and waves sometimes behave like matter. To give you a homely illustration, pick up your pencil and wave it. Your pencil, you will surely agree, is matter—yet look at the little rascal wave! Or take flags. Or Ann-Margret.

Planck's Constant, uncomplicated as it is, nevertheless provided science with the key that unlocked the atom, made space travel possible, and conquered denture slippage. Honors were heaped upon Mr. Planck (or The City of Brotherly Love, as he is familiarly known as). He was awarded the Nobel Prize, the Little Brown Jug, and Disneyland. But the honor that pleased Mr. Planck most was that plankton were named after him.

Plankton, as we know, are the floating colonies of one-celled animals on which fishes feed. Plankton, in their turn, feed upon one-half celled animals called krill (named, incidentally, after Dr. Morris Krill who invented the house cat). Krill, in their turn, feed upon peanut butter sandwiches mostly—or, when they are in season, cheeseburgers.

But I digress. Back to Max Planck who, it must be said, showed no indication of his scientific genius as a youngster. In fact, for the first six years of his life he did not speak at all except to pound his spoon on his bowl and shout "More gruel!" Imagine, then, the surprise of his parents when on his seventh birthday little Max suddenly cried, "Papa! Mama! Something is wrong with the Second Law of Thermodynamics!" So astonished were the elder Plancks that they rushed out and dug the Kiel Canal.

Meanwhile Max, constructing a crude Petrie dish out of two small pieces of petrie and his gruel bowl, began to experiment with thermodynamics. By dinner time he had discovered Planck's Constant. Hungry but happy, he rushed to Heidelberg University to announce his findings. He arrived, unfortunately, during the Erich von Stroheim Sesquicentennial, and everyone was so busy dancing and duelling that young Planck could find nobody to listen to him. The festival, however, ended after two years and Planck was finally able to report his discovery.

Well sir, the rest is history. Einstein gaily cried, "E equals me squared!" Edison invented Marconi. Eli Whitney invented Georgia Tech, and Michelangelo invented the ceiling. This later became known as the Humboldt Current.

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\* \* \*

Mr. Shulman is, of course, joshing, but the makers of Personna Blades are not: if, after trying our blades, you think there's another stainless steel blade that gives you more luxury shaves, return the unused Personnas to Box 500, Staunton, Va., and we'll buy you a pack of any blade you think is better.

## Making the Scene

**THIS WEEK MUSIC**  
Gardner Museum — C. Webb Coffee, flute, and Gale Coffee, piano in a program of music by Bartok, Telemann, and Rogers. March 24, 3 p.m.  
John Adams, piano, in a program of Debussy, Schubert, Scarlatti, Schubert, and Bach. March 26, 3 p.m.  
Judy Olson, clarinet, Arne Running, clarinet, and David Carroll, bassoon; music by Mozart, Beethoven, and Poulenc. March 28, 3 p.m.  
Eric Herz, flute, Alfred Zighera, viola da gamba, Lois Pardue, Harpsichord, program of Bach, Telemann, and others. March 29, 3 p.m.  
Ray Fennelle, Baritone, and Robert Sullivan, guitar in a program of music by Morley, Campion, also Folk Songs. March 31, 3 p.m.  
Boston Symphony — March 24, 8:30 p.m. Rossini: Overture to 'Il Signor Bruschino', Beethoven: Symphony No. 7, Prokofiev: piano concerto No. 5, with Lorin Hollarer, Piano, and Wagner: excerpts from 'Siegfried'. March 28, 8:30 p.m. Haydn: Te Deum in C major, with the Harvard Glee Club and Radcliffe Choral Society, also Copland: Symphony for Organ and Orchestra, Strauss: 'Die Tageszeiten' with the Harvard Glee Club, and Wagner: excerpts from 'Tannhauser'.  
New England Conservatory — a concert of songs based on texts by Goethe, music by Beethoven, Schubert, Schumann, Mozart, Mendelssohn and others. March 29, 8:30 p.m., Jordan Hall, Free. Kate van Tricht, organist of Bremen Cathedral in a

S	M	T	W	T	F	S
29	30	31	1	2	3	4
5	6	7				

program of music by Bach, Distler, and Reger. First Church in Cambridge, 11 Garden St. March 24, 8:15 p.m.  
Newton Junior College Music Series — with the New England Conservatory Opera Group in a program of varied music in concert opera style. March 26, College Hall Washington Park, Newtonville, 8:15 p.m. Free.

**THEATRE**  
'The Dybbuk' S. Ansky's classic drama of diabolic possession done by the Habimah National Theatre of Israel. New England Life Hall, March 24, 8:30 p.m. March 25, 2 p.m. March 26, 5:30 and 9:00 p.m.  
'Hamlet' starring Richard Burton, Hume Cronyn, Alfred Drake, Eileen Herlie, William Redfield, George Rose, and George Voskovec, staged by Sir John Gielgud. The Shakespearean Society at the Shubert for two weeks beginning March 24, Evenings at 8 p.m. Wed. and Sat. matinees at 2 p.m.  
'Enter Laughing' Joseph Stein's comedy based on a riotous Carl Reiner novel at the Wilbur. Evenings except Sunday at 8:30, Matinees Thurs. at 2:15 and Sat. at 2:30 p.m.  
'Yerma' Lorca's tragedy of conflict between passion and honor, starring Anita Sangiolo, Edmund Genest, and Joseph Hindy. Indefinite run at the Image Theatre, 64 Charles St. Wednesday through Friday at 8:30 p.m. Saturday at 7:00 and 9:30 p.m.

**MISCELLANEOUS**  
Ford Hall Forum — Joseph English and Lawrence Fuchs — 'Strange Americans? The Meaning of the Peace Corps.' March 29 at 8:00, Jordan Hall, Free.

Frederick C. Barghoorn, Yale Russian expert arrested in Russia last Nov. LSC Lecture Series in Kresge at 8 p.m. March 25.  
John F. Kennedy: A Salute — A dramatic stage tribute to the late President, staged by Stan Major with college actors, Jordan Hall, March 26-31, 8:30 p.m. except Sunday at 3 p.m.

**NEXT WEEK MUSIC**  
E. Power Biggs a concert predominantly of the music of early masters with a piece by Jan Koestler, modern Dutch composer. Assisting will be Armando Ghitalla and Andre Come, trumpets, Everett Flirth, tympan, and Roger and Peter Voisin in a trumpet duet. Symphony, Hall, April 5, 6:00 p.m. \$1.50.  
Matt and Scruggs — and The Foggy Mountain Boys — in a varied program of Bluegrass and Country music. Jordan Hall, April 4.  
Gardner Museum — Alfred Kanwischer, piano, will give Ravels Gaspard de la Nuit. April 2, 3 p.m. The Boston Bassoon Ensemble in a varied program at 8:45 p.m., April 2. Douglas Baird, Oboe, Gary Sulkowski, Clarinet, and Richard Vrotney, Bassoon in a program of Mozart, Handel, and Milhaud at 3 p.m. April 4.  
Gary Kerr, double bass, and Jeffrey Siegel, Piano; music by Bach, Schubert, Paganini and Wild. April 5, 3 p.m.

**MISCELLANEOUS**  
Ford Hall Forum — Fulton Lewis III vs. Prof. James A. Burkhart — 'The Campus Generation — Right or Left?' April 5, at Jordan Hall, 8:00 p.m. Free.  
Francis Friedman Lectures — Dr. Philip Morrison, Professor of Physics, Cornell, 'Two Bodies, Three Bodies One of them.' The Foundations of statistical mechanics; Part I April 6, 4 p.m. in Kresge Little Theatre; Part II April 7, 4 p.m., April 17.

## Critic's Choice

### Sellers steals the show in 'The Pink Panther'

By Gilberto Perez-Guillermo

'The Pink Panther' at the Gary Edwards, the director, manipulates the character expertly, with some clever timing, a certain amount of underplaying, resulting in several unexpected situations. But he has been forced to rely too much on the Sellers character, and the inspector's clumsiness is inevitably overstressed. Mr. Edwards uses many old comedy tricks imaginatively, and he has been able to turn out at least one funny sequence (in the bedroom) without relying heavily on the inspector's character. Still, his timing lags at crucial points (as the chase), and, as far as the suspense is concerned, his handling of it is as inept as it was in 'Experiment in Terror.' But 'The Pink Panther' is Mr. Edwards' first good film in a while (his last film to be released was the intolerable 'Days of Wine and Roses'), and should certainly be seen.

That the film's best moments are those at the Keystone level can hardly be anticipated by the smooth, 'Charade'-like opening sequence, a swift succession of sketches presumably related to a big mystery. But the scene in which Peter Sellers, in the role of a police inspector, clumsily falls to the floor after saying in a Bogartian fashion: "We must catch that woman" is very suggestive. The character of Inspector Sellers will be the film's chief asset. He wants to appear suave and cunning, but he is so clumsy as to be unable to walk into a room without tripping over the carpet. I laughed like an idiot watching him say to the two men he has just imprisoned: "You are going to be here for twenty years" and in the same action sticking his hands into their bowls of porridge.

Peter Sellers is just right in the role, giving it the necessary amounts of false self-confidence and disgust with himself. Blake

'Sundays and Cybele' (at the Brattle) received lavish praise from Bosley Crowther of the New York Times and went on to become a big box-office success. Mr. Crowther has been writing inept reviews for years, panning such masterpieces as Dreyer's 'Day of Wrath,' Eisenstein's 'Ivan the Terrible,' part II, and Antonioni's 'L'Avventura,' but somehow his influence on the public remains as big as ever. 'Sundays and Cybele' is a pretentious and arty film, full of tricks and effects which are mostly distracting, with pretty landscapes and a subject which is supposedly moving, but which is handled in a manner so artificial as to become unbelievable. Serge Bourguignon, a newcomer who directed the film, has a feeling for the pictorial, but it takes a good deal more to make a movie.

## What to do during spring vacation; Boston offers varied entertainment

By John Montanus

It's Spring Vacation time at MIT, and many Techmen will be leaving dear old Boston for the week. But for the sake of the many who will be here for the holidays, here is a brief list of ways to kill time — and money — if desired.

For those willing to pay well for their entertainment, the legitimate theaters of Boston are out-

standing. Currently running are Pirandello's 'Six Characters in Search of An Author,' Brecht's 'In the Jungle of Cities,' Lorca's 'Yerma,' and Carl Reiner's comedy 'Enter Laughing.' For those with very high tastes and matching budgets there is 'Hamlet,' starring Richard Burton, which, aside from its gossip value, promises to be an outstanding and inspired performance. Opening during the vacation week are a benefit musical comedy, 'Mad Money,' and Chekov's 'A Country Scandal.'

Movies currently in Boston offer a wide variety of entertainment. Good for an evening of honest belly laughs are 'The Pink Panther,' 'Hallelujah the Hills,' 'Paris When It Sizzles,' and, with some reservations because of the deepness of its satire, 'Dr. Strangelove.' For more serious moods, 'The Silence,' 'The Servant,' and 'High and Low' are recommended. 'Tom Jones' still stands out as good all-around entertainment.

Music in Boston (see 'Making the Scene') generally is well patronized, and tickets should be obtained as early as possible. The almost daily 3:00 pm shows at the Gardner Museum are free, with admission on a first come, first served basis. Jordan Hall concerts by students and faculty of the New England Conservatory are also free and generally very good.

There are permanent attractions in Boston too numerous to list completely; probably outstanding is the Museum of Fine Arts, with its fine collections of Egyptian artifacts, New England art and furnishings, French impressionists, and the current Surrealist Exhibit. Further points of interest are listed in the Social Beaver, Boston travelogues, and the Sunday papers.

## Earth sciences conference in Oct. at dedication of Green Building

An International Conference on the Earth Sciences will be held on campus for three days, September 30 to October 2, on the occasion of the dedication of the 20-story Green Building, the new home of the Center for Earth Sciences.

Dr. Roger Revelle, director of the Scripps Institution of Oceanography, will be the principal

speaker at the dedication, which will be held on Friday, October 2. Mr. and Mrs. Cecil H. Green of Dallas, Texas, whose gift of \$6 million made the building possible, will be present.

Geologists, geochemists, meteorologists and oceanographers from all over the world are expected to attend.

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# New satire triumph for Sellers

By Dale E. Jordan

'Dr. Strangelove,' etc. is Stanley Kubrick's singlehanded attempt to revive the too-long-dead art of vicious satire. The Bomb is the obvious point of departure for any self-respecting contemporary satire and Kubrick drives his point home mercilessly, leaving us, almost as an afterthought, one of the finest American films of recent years.

Planning to force the U.S. into a full-scale war with Russia, SAC General Jack D. Ripper orders his wing of B-52 bombers to attack and commits suicide, he alone knowing the vital prefix code necessary to recall the planes.

Unfortunately for Ripper's plan, the President has a few qualms about being the man to start a nuclear war and instead notifies the Russians of the attack so that they can destroy the planes. Ripper's executive officer, RAF Capt. Mandrake, manages to decipher the code from some of Ripper's doodlings. Word is sent out and thirty of the planes respond. Unfortunately, the remaining plane is still in the air with its radio wrecked and hell bent on carrying out its mission.

Then the bomb doors on the plane fail to open, but the "I'd rather do it myself" pilot Major 'King' Kong saves the day and personally delivers the payload—one "newk-lur" device, large, in perfect working order. Perhaps all would not be lost if the Russians had not built their Doomsday device—an H-bomb that detonates itself automatically if Russia is attacked or if anyone tries to dismantle it, and shrouds the earth in a radioactive cloud with a half-life of 93 years.

Then Dr. Strangelove, an ex-Nazi scientist, presents his plan: selected people in a 10 to 1 female to male ratio will take up living at the bottom of our mine shafts for a hundred years; but, of course, steps must be taken to prevent an invasion by the Russians, who now have a "shaft-gap."

To prevent this far our plot from going astray, as well it might, Kubrick has assembled a fine array of acting talent, notably Peter Sellers and George C. Scott.

Sellers proves, if he hasn't already, that he is without peer in the art of serious comedy acting by playing a triple role—Ripper's executive officer, the President, and Dr. Strangelove. The executive officer seems a bit stereotyped but the characterization is brought off well; but as the oh-so-sincere non-entity of a president Sellers is superb. The scenes where the President speaks to

DR. STRANGELOVE OR: HOW I LEARNED TO STOP WORRYING AND LOVE THE BOMB, a Columbia Pictures release starring Peter Sellers as RAF Captain Lionel Mandrake, President, George C. Scott as General 'Buck' Turgidson, Sterling Hayden as General Jack D. Ripper, Keenan Wynn as General 'Bat' Guano, and Slim Pickens as Major 'King' Kong. Screenplay by Stanley Kubrick, Terry Southern, and Peter George; based on the book 'Red Alert' by Peter George; produced and directed by Stanley Kubrick. Opening at the Astor Theatre March 27.

the Russian Premier over the 'hot-line' are particularly well done. As the wheel-chaired Dr. Strangelove, who has an autonomous right arm, Sellers is perfect down to the gleam in his eye which is clearly visible through his colored glasses. George C. Scott adds another dimension to his formidable talent as Air Force General 'Buck' Turgidson, a large overgrown boy whose playthings include a bikini-clad secretary, several hundred megatons of nuclear devices, and the Strategic Air Command.

Sterling Hayden as Ripper is initially a little erratic but soon settles down. While the characters in the film assume Ripper has gone insane, the intent is more to characterize the far Right, with fluoridation a Com-

munist plot to contaminate our "vital fluids." Slim Pickens acquires himself well as bayseed turned bomber pilot.

Kubrick imaginatively structures the film by playing off the scenes in the bomber, where the inner workings of our defense system are documented in fascinating detail, against the lunatic actions of those in control of the system. His point is clear: our moral and ethical sensibilities are as sophisticated as something out of a wild-west movie and are decidedly inappropriate when coping with the complexities of our technologically based society. And who is to guide us down the narrow path of survival? Why, of course, Dr. Strangelove, the messiah of our age, who isn't particularly troubled by moral considerations and who rises from his wheelchair exalting, "Mein Fuhrer, I can walk."

Kubrick's knife cuts deep and he sometimes loses his sense of proportion, but his diagnosis is highly absorbing and often brilliant. It is going too far to say that the film is hilarious, for the humor has a continual morbid and vicious overtone; you laugh, but you sometimes wonder why.

## movie schedule

Tuesday, March 24 through Tuesday, March 31 (unless otherwise stated, the Sunday schedule is the same as the weekday schedule except that no movies are shown before 1:00 p.m.)  
ASTOR — 'Seven Days in May,' 10:15, 12:30, 2:50, 5:10, 7:30, 9:50, Sun. 1:00, 3:05, 5:10, 7:30, 9:20, starting Friday: 'Dr. Strangelove,' Mon.-Sat. 9:55, 11:55, 1:55, 3:55, 5:55, 7:55, 9:55; Sun. 1:25, 3:25, 5:25, 7:25, 9:25; shorts start 25 minutes before the feature.

BEACON HILL — 'Tom Jones,' 10:15, 12:30, 2:45, 5:00, 7:15, 9:30; Sun. 1:00, 3:10, 5:20, 7:30, 9:40.

BOSTON CINERAMA — 'It's a Mad, Mad, Mad, Mad World,' evenings at 8:00 Sun. evenings 7:30, matinees Wed. Sat. & Sun. at 2:00.

BRATTLE — 'Today: Forbidden Games,' Wed.-Sat.: 'Sundays and Cybele,' Sun.-Mon.-Tues.: 'Only Two Can Play,' Shows daily 5:30, 7:30, 9:30, matinees Sat. and Sun. 3:30.

OAPRI — 'The Doll,' Mon.-Sat. 10, 12, 2, 4, 6, 8, 10, Sun. 1:30, 3:30, 5:30, 7:30, 9:30.

EXETER — 'High and Low,' 2:05, 4:30, 6:45, 9:00.

GARY — 'The Pink Panther,' 10:00, 12:00, 2:00, 4:00, 6:00, 8:00, 10:00; Sun. 1:00, 3:00, 5:00, 7:00, 9:00.

HARVARD SQUARE — Today: Chaplin's 'The Gold Rush,' 3:25, 6:35, 9:45; 'The Horse's Mouth,' 1:45, 4:50, 8:00; Wed.-Sat.: 'The Conjugal Bed,' 3:10, 6:35, 10:00; 'The Law,' 1:15, 4:35, 8:05, Sun.-Mon.-Tues.: 'Move Over Darling' and 'Man in the Middle.'

KEITH MEMORIAL — 'Captain Newman, M.D.,' Mon.-Sat. 9:45, 1:35, 5:30, 9:20; Sun. 2:30, 6:05, 9:40.

LOEW'S ORPHEUM — 'Tamahine,' no times available.

MAYFLOWER — 'West Side Story,' Weekdays 9:30, 12:05, 2:55, 5:45, 8:30; Sun. 1:00, 3:25, 6:00, 8:30; Beginning Friday — Mr. Limpet, Mon.-Sat. 10:40, 1:20, 4:00, 6:35, 9:10; Sun. 1:00, 3:40, 6:25, 9:10; second feature, 'The Man from Galveston,' starts 65 min. before the main feature.

MUSIC HALL — 'Paris When It Sizzles,' no times available.

PARAMOUNT — Mon.-Sat. 'Shock Treatment,' 9:20, 12:20, 3:25, 6:25, 9:30; 'Surf Party,' 10:55, 2:00, 5:00,

8:05; Sun., 'Shock Treatment,' 2:40, 5:00, 9:15; 'Surf Party,' 1:20, 4:35, 7:55; starting April 1, 'Night Must Fall,' starring Albert Finney.

PARK SQUARE CINEMA — 'Point of Order,' 1:00, 2:40, 4:20, 6:00, 7:45, 9:25.

SAXON — 'The Cardinal,' evenings 8:30, matinees Mon.-Fri., 2:00, Sat.-Sun., 2:00, 5:00.

UPTOWN — 'Sunday in New York,' 'Any Number Can Win,' no times available.

WEST END CINEMA — 'Hallelujah the Hills,' weekdays 12:05, 2:05, 4:00, 5:50, 7:50, 9:50; Sun. 1:40, 3:40, 5:30, 7:30, 9:20.

THEATRE CHARLES PLAYHOUSE — Pirandello's 'Six Characters in Search of an Author,' Tues.-Fri., 8:30, Sat. 5:30 and 9, Sun. 3:30 and 7:30, tickets 2.40 to \$3.95.

HOTEL BOSTONIAN PLAYHOUSE — Brecht's 'In the Jungle of Cities,' Wed. 7:30, Sat. 7:00 and 9:30, other eves, except Mon. 8:30, mat. Thurs. at 3:00.

IMAGE — 'Yerma,' by Federico Lorca, eves. except Sat. 8:30, Sat. at 7:00 and 9:30.

NEW ENGLAND LIFE HALL — 'The Dybbuk,' presented by Habimah, the national theatre of Israel, opening March 23, 8:30 p.m., tickets \$5.00 and \$6.00.

SCHUBERT — 'Hamlet,' Tuesday 7 p.m., Daily except Sunday 3 p.m. Matinees Wed. and Sat. at 2 p.m.

WILBUR — 'Enter Laughing,' starring Allan Arkin, Vivian Blaine, and Alan Mowbray; eves. except Sun. 8:30, mats. Thurs. and Sat. 2:30.

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## L.S.C. SCHEDULE

A Free Lecture

Kresge

"Strategy of Soviet Intercultural Communication Policy"

Fred Barghoorn

Wednesday, March 25 8:00

## Sabicas plays to full auditorium; flamenco rhythm delights audience



Sabicas, the Spanish flamenco guitarist, played to a packed house in Kresge Auditorium last Wednesday evening. The concert, sponsored by the Lecture Series Committee, evidently delighted the audience of 1250; Sabicas played five encores and earned four curtain calls and two standing ovations.

The performance was divided into three parts. The first consisted of standard flamenco selections; the second featured the style and technique of the 'classical guitar'; and the third was taken from the flamenco folk music of Sabicas' native Spain.

Most of the music was either written or arranged by the performer. Sabicas had no formal musical training, and his success is due to his natural pitch and rhythmic sense.

## EE Department to give Open House in Bush Room, Wednesday, April 8

The Department of Electrical Engineering will present its annual open house for freshmen and interested sophomores Wednesday, April 8, from 4:00 to 6:00 pm in the Vannevar Bush Room, 10-105.

The departmental program has two main divisions. The first, circuits and signals, includes 6.01, 6.02, and 6.05, plus 6.70 and 6.71 laboratories. These courses emphasize measurements and active circuits.

The second division is more physical, emphasizing fields and energy. The courses emphasizing

this are 6.03, 6.06, 6.07, and 6.08, along with 6.72 and 6.73 laboratories.

The department offers two undergraduate degree programs: Electrical Engineering (Course 6, Program 1); and Electrical Science and Engineering (Course 6, Program 2).

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## Sutherland describes his impressions of technology behind Bamboo Curtain

By Tom Brylowski

"To not know what's going on in one-fourth of the world is not only regrettable; it is potentially dangerous," said Sir Gordon Sutherland in a lecture delivered on Tuesday evening, March 17 to 100 members of the MIT community. Sutherland is the Director of the National Physical Laboratory in Teddington, England.

Speaking on the topic "Technology Behind the Bamboo Curtain," Sutherland told of his fall, 1962, trip into Red China, where he and four other members of

Britain's Royal Society spent two weeks as technical observers.

His impressions of the country that has admitted only 12 Americans since the October 1, 1949, birthday of its new regime were numerous, and he showed some of the more colorful incidents in a half hour narrated film.

### Toured Peking

Sutherland, speaking under the sponsorship of the Lecture Series Committee, told of his ten days in Peking surveying Peking University, which serves not only as China's equivalent of MIT but also incorporates a college of agriculture and a Bureau of Weights and Measures. He also spent two days at Shanghai and the rest of the time sightseeing.

At Peking's Scientific Institute there are eight laboratories which are staffed by 220 technicians, but only 20 project leaders. Ten of these leaders have received degrees from European graduate schools. On the academic level, there are about 1500 teachers for 11,000 students.

These students, of whom about 25 per cent are women, pay no tuition or room fees. They attend the university for six years.

About 60 per cent are on full scholarships. During the final two

years of their schooling, they are given small research topics taking about 20 per cent of their studying time. The heavy stress on physics, chemistry and engineering tends to manifest itself in applied fields rather than theoretical studies.

### Technical Emphasis

China is beginning to profit from this technical emphasis, says Sutherland. It is now the world's third largest coal producer and is sixth in steel production. It should be fourth by 1965, said Sutherland. China is also rapidly increasing its non-capital goods. For instance, since 1952 the number of wristwatches has increased from 152,000 to 19,000,000.

Sir Gordon's journey started from Hong Kong, going first to Canton and then flying to Peking. During the entire visit, Sutherland was impressed by the civilized mannerisms of the people. The country had none of the street beggars and bargaining bazaars that typify the East.

The people were informal and friendly, and had a reverent regard for the future. Sutherland's movies contrasted the Westernized architecture of Shanghai with the Oriental beauty of Hang Chou and the 4000-mile Great Wall of the Ming Dynasty.

### Progress Parade Theme

After touring the country, Sutherland returned to Peking for the annual parade commemorating the birthday of Chinese communism. The two hour parade, attended by such notables as Chou En-Lai, Mao Tse-Tung and Indonesia's Sukarno, was full of color and pageantry, with little military display. The theme was China's progress in the past year, and since the new regime.

## University radio network lets Brandeis, BC hear WTBS's 'Rise and Shine'

Starting this week, the morning (Rise and Shine) show of WTBS, heard Monday through Friday at 8:00 am, will be broadcast daily on WVCB, the Boston College radio station.

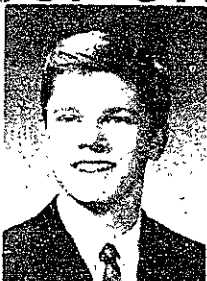
The show is now heard at Brandeis University as a program of the University Broadcasting System Network.

## Focus

### Class of 1967 officers



Giorgio Piccagli



Jim Swanson

"A program of increased communication to build inter- and participation in class activities" will be the goal of the new class of '67 officers, as stated by class president Giorgio Piccagli. The officers have a varied background of experience in freshman government. All three are pledging Alpha Phi Omega, the national service fraternity.

The president, Giorgio Piccagli, originally came from Italy (Mantua), but now calls Chevy Chase, Maryland, his home. A resident of Baker House, he was president of the Baker House Freshman Council and was on the first-term Institute Freshman Council, serving as 21.01 feedback subcommittee chairman. He is also interested in debate.



Steve Douglass

Steve Douglass, of Rockford, Illinois, and Burton House, the vice-president, also had freshman council experience first term. He has worked with Giorgio previously in his position as Freshman Council Feedback Committee chairman. In addition, Steve played freshman basketball.



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Jim Swanson, a resident of Phi Sigma Kappa, from Grand Forks, North Dakota, is secretary-treasurer. Like the other officers, he has freshman council experience, having served as Field Day glove fight chairman and chairman of the FroshCon Quiz Book Committee.

Jim, who played freshman squash, is also a member of the Judo Club.

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## Social work in Roxbury

# Techmen tutor underprivileged children

By Anthony Pappas

One element of the social work carried on by MIT students is the tutorial program in Roxbury. The tutorial project aims to help improve the academic performance of underprivileged school children in the area. In individual sessions after regular school hours the tutors aid children in overcoming their educational handicaps.

Some of these afternoon sessions are at the Youth Opportunity Center at 48 Rutland Street. One tutor is Norman Fainstein, an East Campus resident. His tutee is Sylvester Clark, a high school junior, who is reviewing for the Scholastic Aptitude Test. Sylvester plans to take the SAT in May and apply to college next year.

Many MIT students are not aware of the magnitude of the problems which exist in these areas. They range from juvenile delinquency to broken homes. The population includes 65% of Boston's Negroes, only 10% of whom have total incomes greater than \$5,000. Approximately 18% of the workers in the South End-Roxbury-North Dorchester area are unemployed.

### Early Underachievement

Underachievement appears early in the pattern. Many children drop out of schools before reaching the twelfth grade, the main reason being their failures to

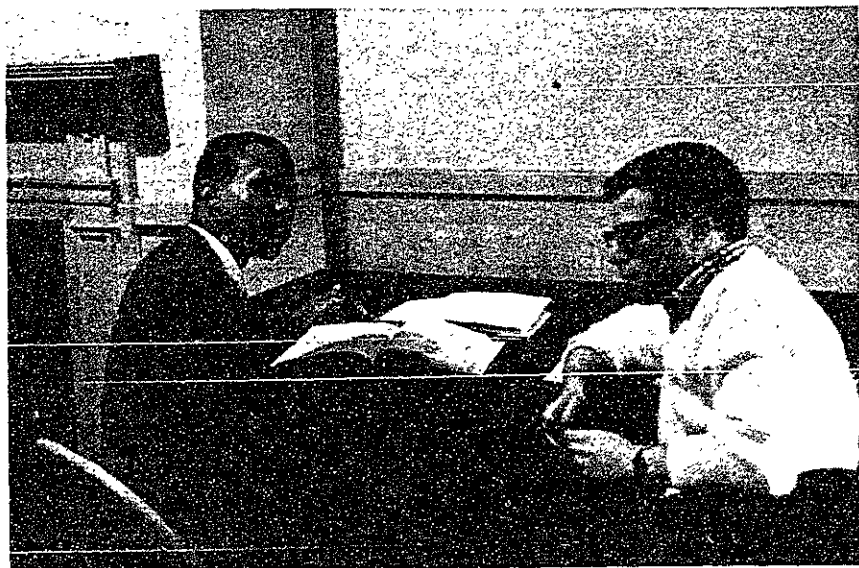


Photo by William Sexauer

Norman Fainstein '66 and Sylvester Clark review for the College Board examinations as part of the Roxbury tutoring project now being carried on by several MIT organizations.

achieve success in school. Their inexperience and lack of specific skills make finding a job virtually impossible.

The aspiration level of these children is low, for they see little hope of breaking out of the pattern of their daily lives. Their confinement within a few blocks of their homes, as well as their lack of contact with books or any other cultural media, prevents an accumulation of experience that is needed to support their education.

The tutoring is done in community settlement houses, churches, housing projects, and individual homes. The tutees voluntarily attend the tutorial classes. Often they are recommended by their teachers for the sessions or their parents request them to go.

Some of the MIT organizations which have or plan to organize tutoring projects in the Boston area are the Technology Community Association, the Civil Rights Committee and the newly-formed Social Action Committee.

### Wide Range of Subjects

Elementary school children are

instructed in reading and arithmetic. Often tutors are trained by professionals for the remedial reading programs. Junior high school students are helped with algebra, general science, history, and related subjects. At the high school level, besides the appropriate subjects, there are also courses in vocational fields, such as bookkeeping, accounting, typing, and shorthand.

Tutors are encouraged to go slowly with their pupils. They question them to determine their understanding of previous material. Since they only see each other a comparatively brief time each week, it is important for the pupil to learn better study habits.

Pupils may be taught how to organize the material or how to read more effectively. Usually the basic problem is language. Even when a tutor is reviewing math or science, he will also be tutoring reading. For their part, besides knowing the material, the tutors must often think of pertinent and stimulating questions for the particular subject.

## Activities Development Board to present awards to students excelling in extracurricular activities

By Michael Shorestein

The Activities Development Board will present its first annual Activities Awards this spring to students nominated and chosen as outstanding in extracurricular activities.

According to Professor Herbert H. Woodson, chairman of the ADB, the purpose of these awards shall be to give "substantial recognition for participation and excellence in student activities and to make the MIT community more aware of the important role such activities play in student life."

The ADB is a joint faculty, administration and student committee which seeks to advise and aid extracurricular clubs and organizations on matters of finance, publicity and general development. It is comprised of three faculty members appointed for three year terms, one member of the administration appointed by President Stratton, and the UAP, the chairman of FinBoard, and the chairman of the student-run Activities Council. The ADB has been consulted over plans for the new student center, and it reviews the activities budget submitted to the administration by FinBoard every two years.

Professor Woodson hopes that the new Awards program being initiated by the board will honor those workers as well as leaders in activities outside student government. Recognition will be given for contributions at the membership level, at the management level and/or the leadership level for individuals, and for outstanding

ing contributions by an entire activity.

This new awareness of activities will possibly place more weight upon activities in job applications than is now given. Towards these ends, the Dean's Office has also been keeping a card file on all students in clubs and organizations on campus.

Nominations for the awards have been solicited by a special committee of the Activities Council. The last of these nominations were received two weeks ago, and the recipients of the awards are being chosen by a committee selected by the ADB and consisting of members of the faculty and administration. The nature of the award has not been disclosed yet but will be announced by the committee at the Awards Convocation during Parents Weekend, April 25.

## England's Elliot visiting lecturer here April 12-15

Dr. Harry Elliot, of the Imperial College of Science and Technology in London, England, will serve as a visiting lecturer from April 12-15. Features of Dr. Elliot's visit will be lectures, informal discussions, and assistance to faculty members concerning curriculum and research in physics.

Dr. Elliot's visit is under the auspices of the American Institute of Physics and the American Association of Physics Teachers and is supported by the National Science Foundation.

Professor Elliot became a member of the academic staff at the University of Manchester in 1948, and was appointed to the Imperial College in 1954.

He is the head of a group of scientists at the Imperial College responsible for cosmic ray experiments in the USUK Satellite Ariel I.

## Planning office working on faculty residence

According to Mr. Robert Simha, the Planning Office will be able to make a report to the faculty about faculty residences in the fall.

His office is still in the process of analyzing the large amount of data obtained in its survey of the faculty, taken in December, and considering various possibilities for faculty housing to be constructed by MIT.

The faculty members surveyed expressed a very strong preference for single-family dwellings. The feeling of some members of the faculty about Institute-supplied housing, according to Simha, is that "they would not take an MIT palace if it were given to them."

The final decision as to what form of construction, if any, to undertake rests with the President's Office.

M. A. Greenhill presents a Special Elizabethan program honoring the 400th birthday of William Shakespeare.

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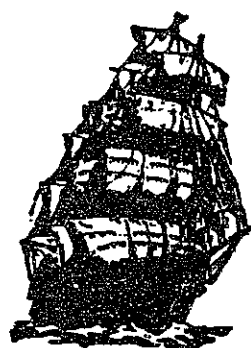
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## College World

### 3 of 100 Poly students watch as 'average' man steals projector

By Toby Zidle

The movie was free. Abbott and Costello were being shown. The projector was set up, and already more than 100 students had gathered in Room 116 to see the film.

But what the 100 Brooklyn Polytech students did see was a man walk up to the projector in the center of the room, unplug it, dismantle it, fold it up, and walk off with it. During this time, no one in Room 116 had thought to ask the gentleman who he was or why he was removing the projector. The result was one stolen movie projector.

Shortly thereafter, one of the school's loading platform workers noticed someone run to a car, put something into it, and then speed off.

In the meantime, Brooklyn Poly's superintendent of buildings had arrived at the scene with some of his staff. No one was allowed to leave the room until police were summoned and the nearby rooms had been searched.

Then, reports the **Polytechnic Reporter**, the superintendent informed the audience that "the projector had been spirited away in front of their very eyes," and asked how many had seen the thief. Of the over 100 witnesses, only three raised their hands. These three were asked to remain to give a description to the police as "the other unobservant Poly engineers then left, muttering sedulously."

Two of the three witnesses contributed very little in the way of descriptive material. The third recalled that the thief was of average height and build and wore a charcoal gray overcoat.

Half an hour after the incident, nothing remained to be seen but an empty projector table and an extension cord.

#### Mrs. Clean Comes to Vermont

The University of Vermont will continue its never-ending battle with that school's fraternities, ac-

cording to the following article in **The Vermont Cynic**:

"The University of Vermont's administration has just announced another edict directed towards the fraternities on campus. It seems that from now on it will be university policy that every fraternity have a house mother living and eating in the fraternity. The instituting of house mothers, the university feels, will instill in the fraternity man a sense of values and an appreciation of cleanliness."

#### The New Look

While the University of Vermont may be striving for the new look in fraternity men, Yale is trying to initiate the new look in future university curricula. According to the **Yale Daily News**, "There are signs of a real revolution which is taking place here, and which will undoubtedly lead the way for many universities."

Under its new program, a small number of freshmen will be allowed to do extensive work in the field of their own interest. Twelve departments will offer seminars to groups of five or six freshmen. These seminars will be geared to the interests and depth of the individual students and will be the equivalent of two regular courses. They will be supplemented by an additional course from the same department.

The seemingly more important change in the curriculum is that Yale will now award to qualified candidates a master's and a bachelor's degree simultaneously after four years of college.

Yale President Kingman Brewster Jr. noted that the program can "be taken as further evidence of the decline of the four year liberal orientation of the traditional college."

#### Research Briefs

As part of the official United States program for the International Years of the Quiet Sun, a

University of Minnesota physics team will send up a series of 20 or more large balloons around the North Pole in 1964 and 1965 in an attempt to learn about the upper atmosphere and its cosmic rays. The helium filled plastic balloons will be carried around the poles by continuously circulating air currents, whose existence was first confirmed five years ago.

After two years of preparation, the Georgia Institute of Technology is about to fire up the reactor of the new Frank H. Neely Nuclear Research Center. Only one other nuclear reactor at an American university, Georgia Tech officials report, is comparable to their own in power and versatility. That one is at MIT.

## Use school buildings more fully, Professor Goody tells citizen group

Professor Marvin E. Goody, of the Department of Architecture, has proposed that new schools should be built to serve a more complete role in community life.

Speaking March 12 to the Citizens for the Boston Public Schools on 'New Ideas in School Buildings,' Professor Goody suggested that school use need not end at night.

In his discussion, Goody said that the success of current dual occupancy — location of business offices in a school structure — has shown the feasibility of an extended role for the school physical plant beyond its essentially half-day role.

Professor Goody also suggested that modern school construction should take advantage of interchangeable manufactured components; large quantity, discount buying; and such technological innovations as artificial turf for rooftop playing areas.

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## Professor Holland reports on stock market: Private pension funds to play important role

By Allan Green

Private pension funds will play an ever-increasing role in stock market affairs, says a report to be released late this year by Professor Daniel Holland, of the Sloan School of Industrial Management.

Working for the National Bureau of Economics, the professor will predict: "Pension funds will be powerful accumulators for the next twenty years, but their rate of accumulation will begin to taper off in the middle-1970's."

Dr. Holland points out that the funds have a unique investment position. Unlike individual investors, a fund holds its assets in trusteeship for a great length of time and remains largely uninfluenced by market fluctuations.

At most, the individual investor must plan for the length of his own life; and he must always plan his investments to take account of possible personal emergencies.

Pension funds compete with each other for the low-risk stock holdings necessary to cope with inflation. Thus, Holland points out, some market prices are driven up.

Pension funds were set up in the 1940's, when high tax rates and the need to stabilize wages made deferred payments to workers desirable. These funds were the result of that need.

They comprise about a quarter of all personal savings and give coverage to two-thirds of the labor force. These annuity plans presently have a net yearly income of \$2 billion. In his projection, Dr. Holland foresees a \$6 billion income by 1970, and one of \$8 billion by 1980.

Public and private pension fund arrangements are very different financially. These funds seem to act as net additions to society's savings, a desirable result to those who connect capital development with economic growth.

## Council elects officers

The Activities Council elected new officers at its March 3 meeting.

Rusty Epps '66, of WIMX, is the new president; John Davis '66, of TCA, is the treasurer; and Jerry Clark '66, of TEN, is the new secretary.

☐ none? ☐ 1 inch? ☐ 1½ inches?



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## Communication problem

# Niels Bohr's philosophical ideas based on conceptual transformation

The philosophical ideas of Niels Bohr are directly associated with the conceptual transformation of quantum physics, according to Dr. Aage Peterson, an associate of Bohr's.

Dr. Peterson gave a short outline of Bohr's views in a lecture Friday, March 13. Dr. Peterson is connected with the Niels Bohr Institute of Theoretical Physics at the University of Copenhagen and is presently at the Center for Advanced Studies at Wesleyan University.

Bohr started philosophizing at the time he was a college student. In the last thirty-five years of his life, he completed about twenty essays setting forth the crucial points of his thinking. Dr. Peterson emphasized that Bohr was quite divorced from the philosophic tradition, of which he could not get the point, and consequently some orientation is necessary to understand his philosophy.

In Bohr's view philosophical problems are communication problems. He treated the area of language at great length and re-

garded the task of science as the purification and development of concepts within a proper conceptual framework. Objective communication takes place using concepts in a conceptual framework.

He formulated the notion of objective description. Classical physics, for example, grew out of daily language, especially its space-time concepts. The basic question is: What can we say about Nature in an unambiguous way?

At the core of the problem of knowledge is the separation of subject and object. Bohr thought the philosophical problem originated from the lack of mastery of this dialectical paradox. We cannot separate quantum physics from the instruments used to study it, and obviously the conditions under which we conduct our experiment are also important.

To widen the scope of objective description Bohr believed we must be able to shift constantly the partition between subject and object. The other requisite is the unambiguous description of the principles and terms used.

## Dean Belluschi to serve in advisory capacity for Kennedy Memorial

A telephone call from Senator Edward Kennedy was responsible for encouraging Dean Pietro Belluschi of the School of Architecture and City Planning to serve in an advisory capacity on the Kennedy Memorial Committee.

Dean Belluschi says that the primary problem presently facing the Committee is that of selecting an architect for designing the projected library, institute, archives, and memorial room, all of which are to be located on about three acres of ground near Harvard's Kresge Auditorium. A mid-April meeting is planned by the Committee to initiate action.

Dean Belluschi is somewhat concerned that the optimum time for requesting donations to the building fund may have passed. He indicates, though, that no real difficulty should be encountered in obtaining the necessary amount. "Perhaps," he says, "a contest among colleges for giving could be held in May, near the anniversary of his birth."

Among the other members of the architectural committee are William Walton and Alvar Aalto.

## Fresh sports

# Spring practice begins

By TOM COMPTON CREW

No selections have been made for the crews yet and probably won't be until after vacation. Practices include 5 to 7 mile workouts and the men are working hard. The competition looks tough this year, so if you're interested in seeing a couple of good races, the Compton Cup for heavies and the Biglin Cup for lights should be the ones.

## SAILING

There will be a meeting for those interested at the sailing pavillion at 5:15 on March 25.

## TENNIS

Tennis is in its first week, only one practice has been held to date. Last fall a tournament was held, but it was never completed because of bad weather. There are a few promising prospects, but there has been no team selected yet. This year's schedule is similar to those of recent years, including Trinity, Harvard, and some of the prep schools in the area.

## TRACK

There is a great deal of interest in this year's track team, and it benefits by most of the team having participated in winter sports. A couple of outstanding prospects

are Bill Flor and Gordon Dewitte. In high school, Flor ran the half mile in 2:05. In practice, DeWitte broke John Morfield's freshman record for the 35 lb. weight toss. Morfield went on to become All-American.

## Flick, Stoddard, Jerrell elected IM managers

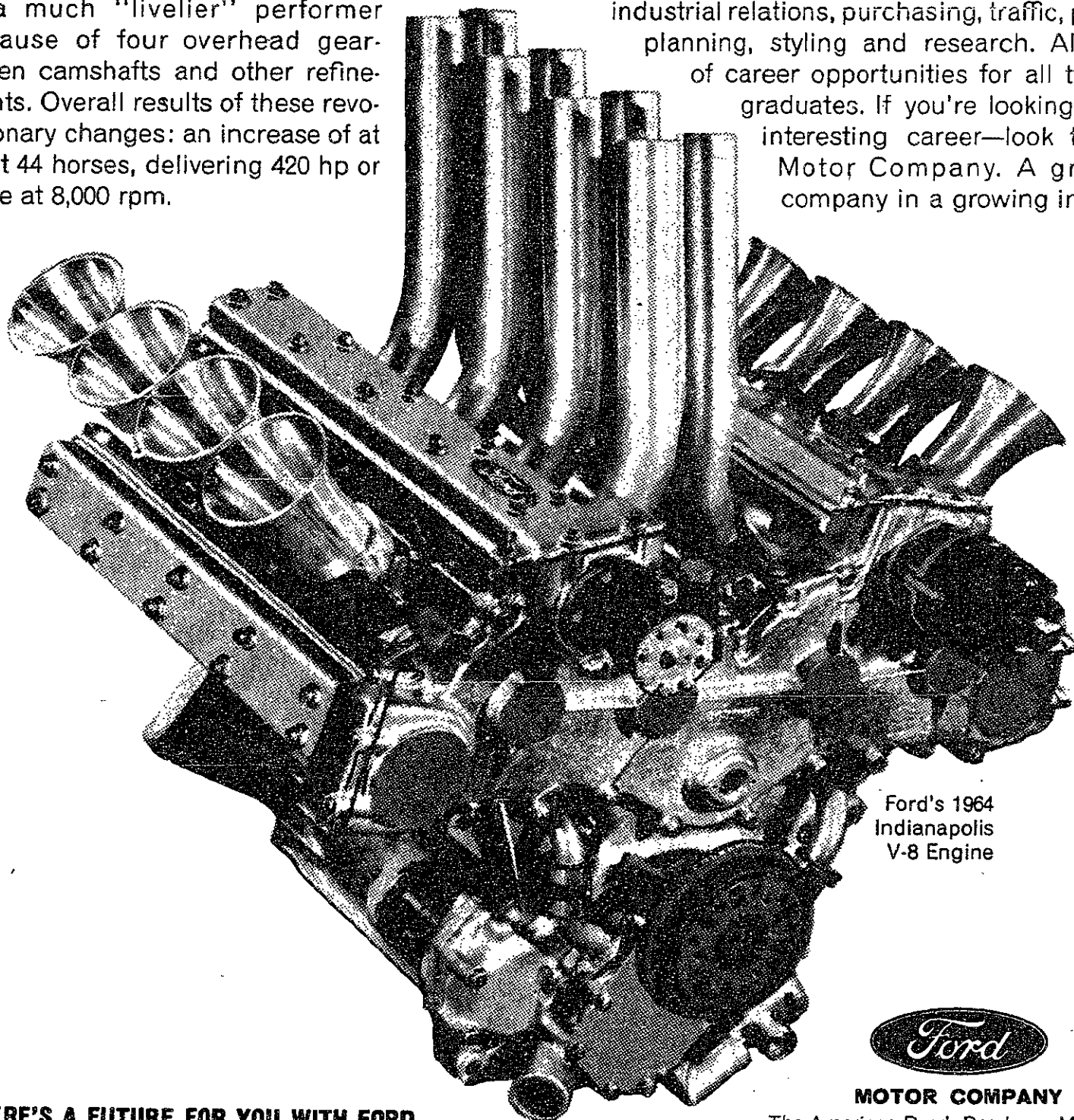
Three new intramural managers, John Flick '66, "Woody Stoddard," '66, & and Greg Jerrell '67 were elected last Wednesday. John Flick, the new intramural basketball manager, was a varsity letter winner in basketball this year and co-captain of last year's freshman squad. He is also secretary of T-Club. The new swimming manager, Woody Stoddard, lettered this winter in swimming and is treasurer of T-Club. New manager of MIT's biggest intramural sport, football, is Greg Jerrell. Greg was a starter on this year's outstanding frosh basketball team.

Next month the IM Council will elect new managers for hockey, wrestling, and volleyball. Anyone interested in one of these jobs should call IM Secretary Fritz Schaefer at X-3782 or KE 6-1139.

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## National exam gives Tech mathmen fifth-place honors

An MIT student, Joel H. Spencer '66, is one of five contestants eligible to receive the William Lowell Putnam Scholarship at Harvard.

Spencer was a member of the MIT team which placed fifth in the twenty-fourth annual Putnam Mathematical Competition held on December 7, 1963. Gordon Wassermann '64 and Michael H. Weinless '64 were the other two members of the team.

One of the five top individuals will receive the scholarship which is available either immediately or at the end of the undergraduate course.

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## Volleyball title for Club Mediteranee; Grad House second; Sig Eps third

Club Mediteranee took its seventh straight intra mural volleyball title by beating Graduate House A in two out of three games last Sunday afternoon. Sigma Phi Epsilon A won over Chinese Student Club for third place honors.

Grad House started out strong by taking the first game by a 15-9 score but fell in the next two games. Club Mediteranee came from behind to win the second one by a very close 15-13 count. The rubber game was almost as close with Club Mediteranee finally coming out on top 15-12.

Sigma Phi Epsilon had a little easier time in the consolation for third place in winning over Chinese Student Club. SPE took the first game 15-9 and then won the second by a 15-11 score.

In the semi-final battles, Club Mediteranee had a little trouble with SPE before winning 15-13, and they then took the second easily by 15-7. Graduate House had little trouble in disposing of Chinese Student Club by 15-6 and 15-9 tallies.

Sigma Phi Epsilon was the only surprise team in the final four, as the other three teams had been seeded into the top spots in the tournament.

## Riflemen shoot 1418 to take second place in NECRL finals

Tech riflemen shot a 1418 Saturday morning to take second place in the Northern Division at the New England Collegiate Rifle League finals held at Hanscom AFB. Northeastern University turned in a 1432 for first place.

The high five men for Tech were Joe Boling '64, 288; Karl Frederick '65, 285; George Olah '64, 283; Dave Hamada '65, 282; and Jim Bridgeman '65, 280.

SPE had to overcome seeded Baker Alpha in order to reach the semi-final round. The other three

advanced easily as expected from the quarter-final rounds held last Thursday.

The top 32 teams are listed below:

- Final standings:**
1. Club Mediteranee
  2. Graduate House A
  3. Sigma Phi Epsilon A
  4. Chinese Student Club
  5. (tie) Baker Alpha
  6. Sigma Alpha Epsilon
  7. Alpha Epsilon Pi A
  8. Burton A
  9. (tie) Civil Engineering
  10. Theta Chi B
  11. Alpha Tau Omega A
  12. Senior House A
  13. Phi Delta Theta A
  14. Baker Command All-Stars
  15. Zeta Beta Tau
  16. Be'a Theta Pi
  17. (tie) Meteorology
  18. Tau Epsilon Phi
  19. Burton 5th A
  20. Graduate House B
  21. Senior House AJB
  22. Burton 4th
  23. Delta Kappa Epsilon A
  24. Burton 2nd
  25. Baker Dukes
  26. Graduate House C
  27. Club Latino
  28. Lambda Chi Alpha A
  29. Theta Delta Chi A
  30. Burton 5th B
  31. Burton Connor 2nd
  32. Sigma Alpha Mu

## Morash, Guillermo, Grady new captains

Pole vaulter Ken Morash '65, MIT's new record holder in his specialty was recently elected captain of the 1964-65 indoor track team. Morash, who hurdles and vaults, snapped his own mark of 12' 10" with a leap of 13 feet 1/2 inch in a dual meet against Bowdoin on February 29.

Junior Thomas Guillermo, a resident of Drexel Hill, Pennsylvania was recently elected captain of the 1964-65 MIT squash team. Guillermo was the number two man on the 1963-64 Tech squad.

Backcourtman Bob Grady '65, MIT's fifth highest all-time single season scorer with 356 points in the 1963-64 season, was recently elected captain of the 1964-65 basketball team. Grady has averaged 12.8 points per game in his two varsity seasons.

## Fencers 22nd in tournament

By Herb Trachtenberg

A three man team from MIT placed twenty-second in a field of teams from thirty-eight schools in the NCAA Fencing Championships held at Harvard last Friday and Saturday. The Engineers were able to win forty-five of their 102 bouts, while first place Princeton won eighty-one bouts. New York University, Columbia, and Navy placed second, third, and fourth with seventy-nine victories, seventy-six victories, and seventy-five victories respectively. Princeton placed only seventh in the Easterns (where MIT placed twelfth) so that their triumph in the Nationals came as a great surprise to all.

**Zimmerman takes 19th**

Foilman Ralph Zimmerman '64 won sixteen of his bouts to place him in nineteenth in that weapon. NYU's Garavoy, who had been favored to take first place, won twenty-nine bouts to place him second behind Princeton's William Hicks who had thirty-two victories. Hicks also won the Illinois Memorial Award given to the outstanding fencer of the year.

**Best cops 24th place**

In sabre competition Art Best '64 tied for twenty-fourth place with twelve victories. First place went to the University of Illinois sabreman who won thirty-one bouts.



MIT's Ralph Zimmerman '64 (left) scores a quick touch in the Nationals held at Harvard last Friday and Saturday. Foilman Zimmerman placed 19th and the team finished 22nd out of 38.

In epee, Bob Levis '64 won seventeen bouts to place him in the seventeenth position. Winning thirty-one bouts, Rutgers' Paul Pesthy won the top spot. Pesthy had also taken first place in the Easterns.

**Engineers finish with 8-8**

The Nationals marked the end of fencing competition for the 63-64 season. To briefly summa-

rize the season, the Engineers won eight meets and lost eight during regular competition. They took first place in the New England Championships, with Zimmerman and Karl Kunz '66 taking first place medals in foil and epee, and with Captain Best taking the second place medal in sabre.

## Top athletes featured

## Techmen spark teams

This spring season should see some outstanding performances by Tech teams. In particular, several members of each of these teams should be watched, these are the men who supply that very necessary spark.

In baseball, Don Alusic '64, first baseman and captain; Dennis Hinrichs '64, catcher; and Dave Dunford '64, third baseman, will be leading the squad this year. Dunford was the Greater Boston

batting champion last year with an average of .345; Tech should see even more from him this year.

**Miller, Poe and Weber lead heavyweights**

Out on the Charles, Chris Miller '64, stroke and captain, Marty Poe '64, and Bill Weber '64 will be the top men in heavyweight crew this spring. Weber was a member of the four-oared shell that took first at the Nationals

last September. In lightweight crew, Mark Barron '64, captain, Herb Hermann '64, and John Proctor '65 will be the ones to watch. This crew has an excellent chance to go to Henley, so keep your eye on these men.

In lacrosse, Bill Dreiss '64, team captain; Wayne Matson '64, high-scorer and Honorable Mention All-American for the last two years will be top performers.

**Flink, Brown top trackmen**

Out on the cinders, Jim Flink '64, holder of four varsity records and top scorer in the indoor season, will be the top man to watch this season. Distance man Sumner Brown '66 ranked second behind Flink in the indoor season and had an outstanding cross-country season last fall and should be scoring quite a few points this spring.

This has been perhaps a too-fast glance at some of MIT's athletes, but one fact should be clear: MIT no longer plays sports for recreation, Tech now has a bunch of dedicated men who are making other schools sit up and take notice. Let's get out to the home meets this spring and show the teams we're behind them.

## How They Did

**Fencing**

MIT (V) placed 22nd in Nationals

**Rifle**

MIT (V) placed 2nd in Northern

division of New England

Second-class postage paid at Boston, Massachusetts. The Tech is published every Wednesday during the college year, except during college vacations, by The Tech, Room 50-211, Walker Memorial, 142 Memorial Drive, Cambridge, Massachusetts 02138. Telephone (Area Code 617) 876-6555, and 864-6500. Extension 2101. United States mail subscription rates: \$2.75 for one year, \$4.25 for two years.

## Winning spring seen for Engineers

## Golf squad to make spring trip south to gain week's head start on season

While most schools in the area wait impatiently for Mother Nature to release her icy grip on the local golf courses, M.I.T.'s linksmen will escape to the more favorable climes of Maryland, Virginia, and North Carolina during Spring vacation. The purpose of this trip, as explained by Coach John Merriman, is to provide the squad with a chance to practice that they would not have locally.

During the trip, the team will meet stiff competition from East Carolina College, University of North Carolina, John Hopkins, University of Virginia, Princeton, and the University of Maryland. The high calibre of the competition makes it unlikely that the team will cover itself with glory on the scoreboard while on the trip, but the needed practice

should make itself felt later on in the spring when the team engages in local matches.

At present, the team has a record of two wins and four losses from a series of Fall matches and hopes to improve on this record after the vacation. Although there is not much chance of matching last year's record of fourteen wins and eight losses, the team would like to end the season with at least an even record.

Returning lettermen on this year's squad are senior co-captains Bill Lakin and Emilio Sardi and junior Peter Lubitz. Others with past experience who are expected to add materially to the team are John Eck ('64), Dick Shoemaker ('65), Dave Andrews ('66), Harry Barnes ('66), Bill Griggs ('66), and Paul Rudovsky ('66).

## Promising lacrosse squad to kick off spring trip at Maryland March 31 looking for better season

By NEAL GILMAN

The MIT varsity lacrosse team coached by Benjamin Martin begins its season March 31 vs Maryland with high hopes of improving its 2 wins and 11 loss record of last year. Losing only a few players from last year's squad, the team promises to have a new, but strong attack and an experienced midfield.

The midfield has four returning veterans, Captain Bill Dreiss '64, Wayne Matson '64, Richard Lipos '64, and Mike Monsler '64. Matson, star of last year's team, is the

returning high scorer and is a potential All-American candidate. The defense will consist of Henry Rack '64, Neil Pappalardo '64, Joe Kirk '64, Ed Burke '65 and Terry Riley '65. The attack on offensive team will be formed by veterans Ron Mandle '65 and Donald Yanaen '63, with newcomers Peter Kirkwood '66 and Louren Wood '66.

The squad, suffering from the loss of last year's goalie, has hope in developing Joe Dyro '65 and Bob McDonald '66 into filling this empty position.

## Tennis prospects good

## Competition hot for top spots

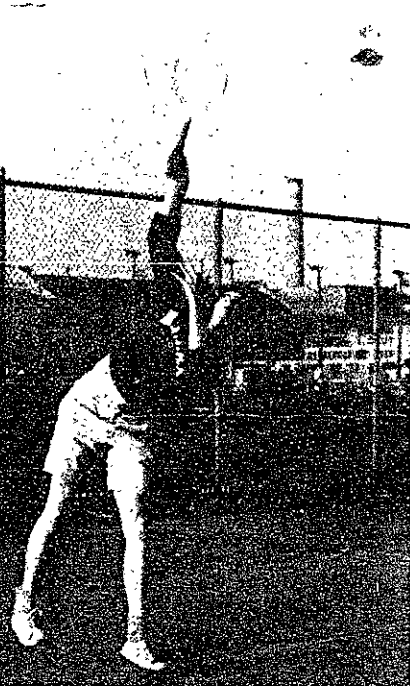


Photo by Steve Teicher

Tennis captain Jack Moter '64 hits a hard serve in practice for the upcoming spring trip.

As the spring trip draws closer, the competition for the top eight spots on the team is becoming intense. The lineup for the spring trip has been left undetermined until this late date because two players are on the injured list who might be able to make the trip.

As always, the Boston weather is doing its best to keep the team off the courts and the only practices held have been in the Armory on the wood courts. It will be quite hard for the team to play its best without sufficient outdoor practice, but Coach Crocker and his team headed by Captain Jack Moter '64 are expecting some really good tennis while down South.

The team looks good with a number of sophomores adding depth and filling in for last year's seniors. Although Coach Crocker has a lot of new material to work with this year, it is definitely not a "building year," and hopes are running very high for an excellent season.

## Sailing rally to be held Wednesday; team plans spring trip to Florida

The MIT sailing team, one of New England's best, will soon be on the Charles again, as it faces a heavy spring racing schedule after a successful fall season.

To get things rolling again, there will be a meeting for all members of the varsity and freshman teams, as well as for any interested newcomers, next Wednesday, March 25, at 5:15 pm at the MIT Sailing Pavilion. Since

there are going to be a lot of meets this spring, including one in Florida over spring vacation, a lot of good sailors are needed so that the regulars will not be overtaxed.

Additional information can be obtained by calling captain Terry Cronburg '66, at PA 9-6690, or manager Ken Browning '66, at x3782 or KE 6-1139.